MSE
MICRO SOLUTIONS ENTERPRISES

Choose Quality®

Imaging Supplies Catalog

20TH ANNIVERSARY EDITION

INTELLIGENT RE-ENGINEERING® 14

MSE Choose Quality®

The only true alternative to the OEM

MSE BRAND Value

Tangible Differentiation

- Patented Technologies
- 3-Year Warranty
- 5-Step QC Protocol
- Sales Support and Training
- Quality Made In The USA
- Co-op Funds, Including Co-branded Literature

2013 Recharger READERS CHOICE AWARDS
★★★★★★★★★★★★
QUALITY LEADER: REMANUFACTURED CARTRIDGES
★★★★★★★★★★★★

A FREE powerful new dealer tool!

Improve your productivity with cloud-based business presentation solutions!

More easily communicate your messages, such as Environmental responsibility, Made in the USA and Color Quality!

Call your MSE Sales rep for more details!

Learn more

[www.mse.com]

8201 Woodley Ave. Van Nuys, CA 91406 | Corporate Headquarters 800.673.4968 | 818.407.7500
800.418.4968 (US-East Coast) | 877.246.2133 (Canada) | +31.36.522.2601 (MSE Europe)

ISO 9001 QUALITY COMMITMENT
ISO 14001 GREEN INITIATIVE
ENVIRONMENTALLY RESPONSIBLE QUALITY MADE IN THE U.S.A.

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Thank You For Your 20 Years of Continued Support

It is with great pride and no small sense of accomplishment that we usher in 2014, as it marks the 20th anniversary of MSE.

For 20 years our leading-edge technological innovations, rigorous quality control procedures and dealer support tools have helped bring high-quality alternatives to consumers.

For 20 years we have also proudly remanufactured in the U.S.A., providing jobs in our communities and pioneering a sustainable, eco-friendly business infrastructure that has been cited for numerous awards and accreditations.

20 years later, we continue to be bullish about the future of our industry. We firmly believe that in years to come MSE, you, our partners, and our valued suppliers, will still be embarking on this journey together -- a little older, hopefully wiser, but still enthusiastic about the future.

We thank you for standing by us and being our partners in success. Without you, the investments we are making in this market wouldn't be possible.

Sincerely,

-Avi Wazana

Sincerely,

-Yoel Wazana

HEADQUARTERS: Van Nuys, California, USA

EXTENDED YIELD COLOR

Introducing

MPS Engineered® COLOR Cartridges!

For the first time, 3 MSE Technologies merge...

- Groundbreaking technologies such as the SCS make MSE uniquely capable of producing extended life color products.*
- MSE color cartridges exhibit no toner additive buildup (TAB) on PCR – even in extended yield applications!*
- SCS technology keeps the transfer belt and printer clean, reducing service interventions.*
- MSE extended yield cartridges' superior operating costs, 99-plus-percent success rates and consistency make them ideal in MPS.*

Available in 2014

HP Color LaserJet CP3525
HP Color LaserJet CP4525

*Based on MSE lab results.

Table of Contents

Intelligent Re-Engineering® 8

Research & Development 20

Quality Commitment 21

Advanced Color Technologies® 6

Secondary Cleaning System® 7, 32

MPS Engineered® 12

Patents and Innovations 9

Certifications 22

Signature Products 24

Green Initiatives 14

Core Collection 16

Partner Benefits 23

Packaging Options 18

Extended Warranty 10

Global Distribution 62

Awards and Accolades 25

Cross Reference Index 57

Table of Contents

HP

Monochrome 26

Color 33

Lexmark

Monochrome 38

Brother

Monochrome 42

Color 43

Dell

Monochrome 44

Color 45

Samsung

Monochrome 46

Canon

Monochrome 47

Color 50

IBM

Monochrome 52

Okidata

Monochrome 55

Source Technologies

MICR 55

Xerox

Monochrome 56

Color 56

MSE MICRO SOLUTIONS ENTERPRISES Choose Quality®

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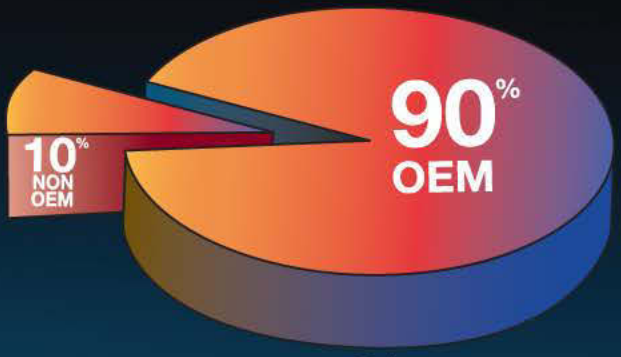
Advanced Color® TECHNOLOGIES

FOCUS ON OEM CONVERSION

*Who is the real competition?**



Are You Capturing the Color Opportunity?

20 Plus Billion-Dollar Opportunity in Color!

Advanced Color Technologies® (ACT) is the culmination of years of research, development, and deployed resources with the goal of providing the only true alternative to the OEM. We provide the vehicle needed to capture the long awaited 90% color market share owned by the OEM. Our stringent testing ensures consistency and reliability for you and your customers. Our goal is to allow you to sell with confidence knowing that you are offering the most leading edge product in the marketplace today.

* The data above is from multiple sources including: Lyra Research, Info Trends and MSE internal surveys
** 2012 Reman Color and Emerging Market Investigation™, Cameron Consulting Group.

SCS
SECONDARY CLEANING SYSTEM®

Look for the SCS Logo on Selected Cartridges

SCS is a patented MSE technology that addresses the critical quality barriers limiting aftermarket penetration in the color market (currently estimated at less than 10%).

See page 32 for more information on SCS.

Learn more

Color Cartridge Selection

HP Color Replacement Cartridges

HP Color LaserJet 1500	HP Color LaserJet CP1215
HP Color LaserJet 2600	HP Color LaserJet CP1525
HP Color LaserJet 3000	HP Color LaserJet CP2025
HP Color LaserJet 3500	HP Color LaserJet CP3525
HP Color LaserJet 3600	HP Color LaserJet CP4005
HP Color LaserJet 3700	HP Color LaserJet CP4525
HP Color LaserJet 3800	HP Color LaserJet CP5225
HP Color LaserJet 4500	HP Color LaserJet CP5525
HP Color LaserJet 4600	HP Color LaserJet CP6015
HP Color LaserJet 4700	HP Color LaserJet M200
HP Color LaserJet 4730	HP Color LaserJet M551
HP Color LaserJet 5500	HP Color LaserJet M300/M400
HP Color LaserJet CP1025	HP Color LaserJet M775

Brother Color Replacement Cartridges

Brother HL-4040	Brother HL-4150

Canon Color Replacement Cartridges

Canon C LBP-400	Canon imageCLASS C2500
Canon imageCLASS C3500	Canon imageCLASS MF8170
Canon LBP-5000	Canon imageCLASS LBP-5050
Canon imageCLASS MF8450	Canon imageCLASS MF9130
Canon imageRUNNER LBP-5460	Canon i-SENSYS LBP-7010
Canon i-SENSYS LBP-7200	

Dell Color Replacement Cartridges

Dell 3110	Dell 3130

Xerox Color Replacement Cartridges

Xerox Phaser 6180	Xerox Phaser 6280

Tangible Differentiators

MSE's Intelligent Re-Engineering® approach is the creation of a new benchmark for quality, which is an evolution beyond traditional remanufacturing and stands side by side with the OEM. Intelligent Re-Engineering® represents a total approach to aftermarket toner cartridge production, which employs exhaustive Research and Development and OEM benchmarking.

PATENTED TECHNOLOGY

- 24 Patents Awarded
- 14 Patents Pending
- 99.2% Success Rate*

*Based on MSE's internal lab data.

PATENTS

Secondary Cleaning System

Ultrasonic Welding Technology

Doctor Blade Gapping/Positioning Technology

Laser Cutting Technology

Cartridge Separation

Robotic Alignment Process
(Proprietary)

PRODUCT ENHANCEMENTS

- ✓ Eliminates toner buildup on PCR
- ✓ Eliminates streaking
- ✓ Reduces backgrounding
- ✓ Improves overall print quality
- ✓ Scalable to various models

- ✓ Eliminates leaking
- ✓ Retains OEM appearance
- ✓ No clips needed
- ✓ Maintains original cartridge critical gap alignment
- ✓ Scalable to various models

- ✓ Automates protocol of setting uniform gaps in all HP color cartridges
- ✓ Precise gap settings allow for uniform distribution of toner onto adder rollers
- ✓ Eliminates leaking, print inconsistencies (light/dark print) and banding

- ✓ Computer-guided cutting for superior consistency
- ✓ Maintains original cartridge tolerances
- ✓ Ensures proper cartridge alignment in printer
- ✓ Reduces cutting waste by 99%
- ✓ Increases manufacturing efficiencies
- ✓ Scalable technology

- ✓ Does not remove plastic or cut through realignment pins
- ✓ Retains OEM appearance
- ✓ Maintains critical gaps
- ✓ Scalable to various models

- ✓ Automated high precision alignment process to help prevent toner build up
- ✓ Helps retain original cartridge resilience
- ✓ Eliminates banding
- ✓ Scalable to various models

Automation Center

To produce consistent quality and reduce labor costs, MSE's new Technology Center (4,000 sq. ft./370m²), works hand in hand with production engineers to streamline processes and minimize human error.

100% Customer Satisfaction Guaranteed

MSE Warranty

MSE warrants our Intellegently Re-Engineered® imaging supplies to be free from defects in both material and workmanship. At our option, MSE will replace the item and/or refund the full purchase price of any item found to be unsatisfactory, for any reason, by our customer.

All cartridges are covered by a 100% manufacturer's warranty. Our MSE brand cartridges are guaranteed to be free from defects from the date of manufacture for a period of three years. All other compatible cartridges are guaranteed to be free from defects from the date of manufacture for a period of two years.

In addition, we further warrant that our products will not cause damage, deterioration or abnormal wear in any compatible machine for which it was originally designed. This warranty covers all equipment used within the manufacturer's specifications and does not include acts of God or nature.

If a defect in any MSE product is found to be the sole cause of damage to any equipment, MSE will reimburse the customer for a complete repair. This warranty is dependent upon the customer providing MSE with satisfactory evidence that the damage was due to a defect in an MSE product. All claims must be accompanied with an invoice from the authorized service company that performed the repair. The invoice must clearly indicate the specifics of the repair along with contact information of the field service technician that was dispatched.

Return of the defective product is required and must be clearly marked with an official MSE issued RMA on the outside of the package. Any sign of tampering with the product by non-MSE personnel will void this warranty. MSE's liability shall be limited to repair, replacement or reimbursement as stated above. This warranty is exclusive and in lieu of any and all other warranties, express or implied.

Subject to change without notice.

Your Strategic Partner in Building A Successful MPS Program

You have many options when it comes to MPS. Allow us to guide you through these critical decisions with an objective approach based on best practice methodologies and strategic alignment. Coupled with the industry's only true alternative to the OEM, you will ensure long term success and profitability within your MPS Program.

Importance of Quality in MPS for the solutions provider

- Increase customer satisfaction
- Reduce activity-based costing
- Avoid migration to OEM
- Increase customer retention
- Protect margins and reputation

Consumer Experience

MPS solutions are usually sold to the CIO and CFO and often overlook the actual user. Consider that the user's experience is the same whether they are being charged CPP or on a transactional basis for the cartridge. They push the print button and expect a quality page to be printed. A low-quality consumable will lead to premature cartridge swaps and increased service calls while driving your profits below the red line. Most importantly, customer satisfaction will be irreparably damaged.

Importance of Quality in MPS for the consumer

- Mitigate downtime
- Increase reliability
- Avoid dissatisfied users
- Increase satisfaction

MPS ENGINEERED®

EXTENDED YIELD CARTRIDGES

UP TO 100% MORE YIELD

Not All Extended Yield Cartridges Are Created Equal

MPS Engineered® cartridges set new standards in industry excellence. MSE utilizes proprietary co-developed raw material combinations that allow us to achieve superior page yield without sacrificing print quality. This is reinforced through our patented processes and test protocols that reflect real-world usage patterns. Our goal is to provide quality from the first page out until the end of life.

"MPS Engineered®"

Voted Best New Product

2012 Recharger READERS CHOICE AWARDS

- MSE products power major MPS programs.
- MSE provides quality consumables to some of the largest independent dealers/MPS providers.
- MSE's patented technologies and rigid test protocols allow greater color penetration in MPS.
- MSE offers extensive marketing support to foster color growth and OEM conversion.
- MSE's award-winning product is the vehicle to ensure profitable MPS engagements.

THE LINCHPIN TO ANY SUCCESSFUL MPS PROGRAM IS A QUALITY EXTENDED YIELD CARTRIDGE

MPS ENGINEERED CARTRIDGES

PRINTER MODEL	OEM #	OEM YIELD	MPS EXTENDED YIELD	INCREASED YIELD
HP 1012	Q2612A	2,000	4,000	100%
HP 1150	Q2624X	4,000	7,000	75%
HP 1200	C7115X	3,500	7,000	100%
HP 1300	Q2613X	4,000	8,000	100%
HP 1320	Q5949X	6,000	9,000	50%
HP 2100	C4096A	5,000	7,000	40%
HP 2300	Q2610A	6,000	10,000	67%
HP 4000	C4127X	10,000	15,000	50%
HP 4100	C8061X	10,000	15,000	50%
HP 4200	Q1338A	12,000	23,000	92%
HP 4250/4350	Q5942X	20,000	28,000	40%
HP 4300	Q1339A	18,000	24,000	34%
HP 4345	Q5945A	18,000	24,000	34%
HP 5Si	C3909A	15,000	25,000	67%
HP 9000	C8543X	30,000	40,000	33%
HP M401	CF280X	6,900	10,000	45%
HP M4555 MFP/M601/M602/M603	CE390A	10,000	18,000	80%
HP M4555 MFP/M602/M603	CE390X	24,000	40,000	60%
HP P1005/P1006	CB435A	1,500	2,300	53%
HP P1505	CB436A	2,000	3,000	50%
HP P2015	Q7553X	7,000	10,000	43%
HP P2035/P2055	CE505A	2,300	4,000	74%
HP P2055	CE505X	6,500	9,750	50%
HP P3005	Q7551X	13,000	18,000	38%
HP P4014/P4015/P4515	CC364A	10,000	18,000	80%
HP P4015/P4515	CC364X	24,000	40,000	60%
Canon D1120	CRG-120	5,000	9,000	80%

Reliability Guaranteed

"Making an extended yield cartridge isn't just as simple as putting more toner in the cartridge.

There are many facets to creating a high-quality extended yield cartridge to ensure that the quality of the last page out is as good as the first".

MSE's Technical Team

Learn more

Reduce Your Carbon Footprint with MSE's Green Initiatives

Help Encourage a Better, Greener Future!

Returns Made Easy with MSE Packaging

1.
Return expended cartridge into the same bag your new cartridge came in.
2.
Use the same box that your cartridge shipped in.
3.
Reseal box. (No tape needed!)
4.
Contact your sales representative to set up a free return program.
Some restrictions apply.

MSE's Friendly Boxes Make Shipping Easy!

[partner.mse.com]

Green Certifications

ISO 14001

Environmental management system (EMS) helps organizations minimize how their operations negatively affect the environment. It specifies the requirements for establishing an environmental policy, determining environmental impact, planning, and implementation for continuous improvement.

Nordic Swan

The Nordic Ecolabel is a voluntary ecolabelling program that evaluates a product's impact on the environment throughout the whole life cycle. The label guarantees climate requirements are taken into account, and that CO_2 emissions and other harmful gasses are limited.

RoHS

Restriction of Hazardous Substances Directive restricts the use of six hazardous materials in the manufacture of various types of electronic and electrical equipment. It was adopted in February 2003 by the European Union.

WRAP

Is a waste reduction program administered by the California Department of Resources Recycling and Recovery, recognizing businesses for outstanding waste reduction efforts in the community.

REACH

Is a European Community Regulation on chemicals and their safe use. It is the strictest law to date regulating chemical substances.

SFI®

Sustainable Forestry Initiative®) abel, featured on MSE packaging, is a sign you are buying wood and text paper products from a responsible source, backed by a rigorous, third-party certification audit.

CTRS

MSE offers customized toner cartridge reclamation programs for your needs.

[partner.mse.com]

Collecting for Sustainability

Why The Future Of Our Industry Depends On It

" Sustainability is absolutely crucial "

In our industry it is imperative to not only think of recycling OEM cores from a profit standpoint, but as an effort for sustainability as well. As your partners, MSE needs your OEM cores to provide you the quality remanufactured cartridges you need, when you need them. This way, we can fill the ever-growing demand of highly desired cartridges and maintain fast allocation times. Sustainability is absolutely crucial for the continued growth of our industry.

Furthermore, when you recycle your cores with MSE, you help reduce the production of new cartridges and lessen your carbon footprint. Unlike with clones and compatibles, the pollution and hazardous impact on the environment is minimal when cartridges are remanufactured.

As your partners, we ask you to always recycle your OEM cores through the MSE Partner Recycling program. Call your MSE representative today to learn more about The MSE Partner Recycling Program and what we can do to help your business continue to succeed.

Save Green Print Smart

ISO 14001

REACH

WRAP WASTE REDUCTION AWARDS PROGRAM 2009 WINNER

An Easier and more Comprehensive

Core Collection Program

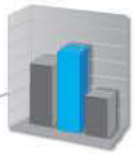
Online Capabilities

ORDER SUPPLIES

Order Free Bins and Print Pre-Paid Shipping Labels for your customers

PALLET PICKUP

Requested pallet pickups as soon as the next business day



ACTIVITY

View detailed reports of shipments as they come in

MSE PARTNER RECYCLING PROGRAM

LOCATIONS

Add an unlimited number of customers to send bins and request pallet pickups

BUYBACK LIST

View your competitive online buyback list

Login at [partner.mse.com]

Program may change at any time without notice.

Learn more about MSE's Core Collection Program Benefits and Incentives

Packaging solutions designed To meet your business needs

Packaging Options

Option 1

MSE Brand Packaging

With the MSE brand packaging you are entitled to the MSE Partner benefits package. Learn more on page 23.

Option 2

Non-branded Packaging

Packaging options are available upon request.

Option 3

Private Branding

For large volume outsourcers, retailers, and OEMs, the MSE Graphics Department can design and produce your own customized 4-color packaging.

1. 2. 1. 2.

*

Color Monogram Solutions

Cartridge Monogram Features:

1. Your logo in color
2. Your company information to ensure your customers contact ***you***

* Sample Label. Actual label may vary.

MSE MICRO SOLUTIONS ENTERPRISES Choose Quality®

The MSE Brand is backed by the most comprehensive marketing tools in the industry!

Customizable, Multilingual, End-User-Facing Rich Media Presentations
Featuring Your Logo & Company Info

Multi-Lingual Customized Marketing Materials
Featuring Your Logo

Corporate Multi-Lingual DVD

Multi-Lingual End-User-Facing DVD

4-Color Customized Label
Featuring Your Logo

Extensive Benchmarking Using ISO Testing Methodologies

MSE's rigorous R&D methodology starts by benchmarking the OEM with arduous stress testing to determine quality tipping points. We employ multiple protocols using the markets most sophisticated standards and equipment to determine the proper bill of materials and required fixturing and technologies which ultimately equates to the market's only OEM alternative.

Innovation **Quality** **Technology** **Integrity** **Evolution**

Critical Component Analysis Using State-of-the-Art Equipment

Coulter Particle Analysis

Micro View Analysis

- Heat shock testing for critical adhesives
- Toner particle analysis
- Seal pull force mechanics
- Wiper/OPC torque test metrics
- Extensive wiper blade nick tolerance testing

Exhaustive Environmental Stress Testing

Two Walk-In Environmental Control Units

Guaranteed Quality In All Environments

	Temperature	Relative Humidity
Low/ Low	50°F/10°C	10%
High/ High	90°F/32°C	80%
Ambient	70°F/21°C	30%

Intensive Life Cycle Analysis, Accelerated Aging Tests

Vibration/ Rocking Test

Thermal Shocking

- MSE uses accelerated aging to approximate shelf life/stress test metrics. Cartridges are tested to see how seals pull, adhesives hold and for print quality. This allows us to ensure quality not just today, but over time.

- Vibration testing; ensures cartridge continuity during shipping and a leak-free cartridge.

MSE's Quality Control Commitment

Ensuring long-term quality and reliability is the foundation of customer satisfaction. We understand that without strict adherence to quality standards, you simply cannot compete. The responsibility of MSE's Quality Control Team is to be our in-house, independent testing laboratory.

Inbound Performance Tests

1

- All raw materials are exhaustively tested prior to being released for production.

Test Printing

100% Post Testing

2

- Test pages are generated for each cartridge produced for visual print-quality inspection.

Visual Modeling Check

Unique Barcode Tracking

QC Loop

3

- Each cartridge is inspected by a second team using visual guides that show specific critical check points in each model.
- Each cartridge is uniquely bar-coded to ensure critical component traceability and production accountability.

Quality Test Print Inspection

Pre-Packaging

4

- Each cartridges' test pages are visually inspected for quality by a third team prior to packaging.

Random Product Selection

QC Lab

5

- An intricate matrix is used to sample products from finished inventory in order to conduct destructive testing.

5 STEP QC PROTOCOL

MSE's 5-Step Protocol Insures You Get a Reliable & Consistent Product

Quality Certifications

MSE Has Been Awarded the Following Certifications.

The ISO 9001

family of standards for quality management systems. Requirements in the ISO 9001 standard include: documenting procedures, monitoring processes, keeping adequate records, taking corrective action, regularly reviewing the overall system and facilitating continuous improvement.

The ISO 19752

standard is a standardized page yield test for monochrome(b/w) laser printer cartridges and is utilized by many Printer OEM's. The test is done with a minimum of nine cartridges tested on three separate printers with a standard print/test page under specific environmental conditions and printer settings.

The ISO 19798

standard is a standardized page yield test for color laser printer cartridges and is utilized by many Printer OEM's. The test is done with a minimum of 12 cartridges (three sets of CMYK) tested on three separate printers with a standard set of five different print test pages under specific environmental conditions.

ETIRA

(European Toner & Inkjet Remanufacturers Association) represents the interests of the inkjet and toner cartridge remanufacturers in the EU. A recognized body that effectively manages a remanufacturing code of conduct and an advocate for all topics affecting the industry such as quality, standardization, legal and regulatory advice.

MSE Abides By The Most Stringent Quality Standards.

ASC X9

The Accredited Standards Committee X9 has the mission to develop, establish, maintain, and promote standards for the Financial Services Industry in order to facilitate delivery of financial services and products. As of 2007, All MSE MICR cartridges meet X9 criteria.

STMC

The Standardized Test Methods Committee is a global committee formed to find and promote standardized test methods for the printer cartridge industry.

MSE PARTNER Benefits

MSE Brand Value

Effective branding helps power your success. We were the first large-scale remanufacturer to align our reputation with that of our customers' by effectively branding our products. This alignment provides the most effective tool to convert the most lucrative and demanding customer segment: the OEM customer. Our reputation is on the line with every dealer we sell to and in every end-user's printer. Branding has not only allowed us to create recognition, demand and loyalty, but it also forces innovation and continuous improvement as our name is on the front lines. Therefore, the interests of MSE and our dealers are inextricably linked. We feel so strongly in the power of our brand that we support it with an industry-leading 3-year warranty!

A FREE powerful new dealer tool!

Improve your productivity with cloud-based business presentation solutions!

More easily communicate your messages, such as Environmental responsibility, Made in the USA and Color Quality!

MSE Partner Benefits

- Co-branded Marketing Fliers and Sales Collateral
- Co-op Marketing Funds
- Extended 3-Year Warranty
- End User Corporate Video
- Color Monogram – Your Name and Logo In Color!
- Brand Equity
- Higher Customer Loyalty
- Cloud-based, Animated Presentations

MSE Consultative Sales Approach

- Continuous Post Sales Support
- Factory Tours For You and Your Customers
- Offsite Factory Representation and Joint Sales
- Customized Cartridge Reclamation Services
- Free Webinars to Help Educate Your Customers

MSE University Highlights

- Proven Techniques To Convert Away From Low Margin OEM
- Best Practice Methodologies and Tools to Capture Color Market Share
- Constructing a Successful MPS Program
- Role Playing Sessions to Engage Your Sales Team

LEARN MORE

MSE's *Signature Products*

MSE's *Signature* products include many models that have created significant historical challenges for the industry and as such have been dominated by the OEMs. MSE's products are designed to provide a true alternative to the OEM and in these items we deployed multiple hallmark, patented technologies coupled with our rigorous R&D and stress test protocols to create products with superior quality and reliability.

Signature Product Printer Models

- HP LaserJet 4200/4250/4300/4345/4350 Series
- HP LaserJet 9000
- HP LaserJet P4515
- HP LaserJet M4555/M600 Series
- HP Color LaserJet 4600
- HP Color LaserJet 5500
- HP Color LaserJet CP3525
- HP Color LaserJet CP4525
- HP Color LaserJet M551
- HP Color LaserJet CP5225
- HP Color LaserJet CP5525
- HP Color LaserJet M775
- Lexmark T640
- Lexmark T650
- Brother HL-4040
- Brother HL-4150

Look for MSE Signature Products Throughout This Catalog

Award-Winning *Commitment*

MSE Rated #1

*In Color Quality & Dealer Confidence in Independent Survey of U.S. Dealers!**

Contact Us for White Paper!

ENTREPRENEUR OF THE YEAR
2009 Finalist

Inc. 5000
2007, 2008, 2009

Deloitte. Technology Fast 50
Los Angeles
2004 • 2005 • 2006 • 2007

Los Angeles Business Journal®
LA's Fastest Growing Private Companies
2002 • 2003 • 2004 • 2005 • 2006 • 2007

San Fernando Valley Business Journal®
Fastest Growing Private Companies
2001 • 2003 • 2004 • 2005 • 2006 • 2007

San Fernando Valley Business Journal®
Largest Manufacturing Companies
2008

The Inc 500 2001 | The Inc 500 2002 | The Inc 500 2003 | The Inc 500 2004
America's Fastest Growing Private Companies

CRN TEST CENTER RECOMMENDED
2001

WA WISE & SAVE
Preserving Resources. Preventing Waste
2009

WRAP WASTE REDUCTION AWARDS PROGRAM 2008 WINNER
2009 WINNER

CALIFORNIA TECH 100 INNOVATION ALL-STAR
2007

var Business 5 STAR
PARTNER PROGRAM WINNER
2001• 2002 • 2003

FIRST FIFTY
The 50 Largest Remanufacturers Worldwide
The Recycler - April 2006

Quality Leader – 1st Place — 2013
- Best Article – 1st Place
- Best Customer Support – Recognition
- Best Website – Recognition
- Best New Product/Service – Recognition

Best New Product – 1st Place — 2012
- Quality Leader-Toner – Recognition
- Best Web Site – 1st Place
- Best Article – Recognition
- Best Customer Service – Recognition
- Best Advertising Campaign – Recognition

Quality Leader-Toner – 1st place — 2011
- Best Article – 1st place
- Best Customer Support – Recognition
- Best New Product or Service – Recognition
- Best Ad Compaign – Recognition
- Green Award – Recognition
- Best Website – Recognition

Quality Leader-Toner – 1st place — 2010
- Best Customer Support – Recognition
- Best New Product or Service – Recognition
- Marketing ad / Compaign – Recognition

Quality Leader-Toner – 1st place — 2009
- Quality Leader-Inkjet – 1st place
- Best Customer Support – Recognition
- Best Website – Recognition
- Best New Product or Service – Recognition

Quality Leader-Toner – 1st place — 2008
- Quality Leader-Inkjet – 1st place
- Marketing ad / Compaign – 1st place

2008 Recharger Magazine Hall of Fame

Quality Leader-Toner – 1st place — 2007
- Quality Leader-Inkjet – 1st place
- Industry Leaders - Avi & Yoel Wazana – 1st place
- Best Customer Support – Recognition

Quality Leader-Toner – 1st place — 2006
- Industry Innovator – 1st place
- Best Customer Support – 1st place
- Quality Leader-Inkjet – Recognition

Quality Leader-Toner – 1st place — 2005
- Industry Innovator – 1st place
- Best Customer Support – 1st place

Best New Technology – 1st Place — 2004
- Best New Twist – 1st Place
- Business Builder Award – 1st Place
- Company Leadership Award – Recognition

HP

Replacement Cartridges

HP LaserJet 1012

HP LaserJet 1010, 1012, 1015, 1018, 1020, 1022, 3015, 3020, 3030, 3050, 3052, 3055, M1005, M1319 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-1214	Q2612A	Standard	2,000
	02-21-1216	Q2612A	Extended MPS	4,000
	02-21-1215	Q2612A	Standard MICR	2,000

HP LaserJet 1100

HP LaserJet 1100, 3200; Canon LBP-1110, 1120, 250, 350, 800, 810 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-9214	C4092A	Standard	2,500
	02-21-9215	C4092A	Standard MICR	2,500

HP LaserJet 1150

HP LaserJet 1150 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-2416	Q2624X	High	4,000
	02-21-24162	Q2624X	Extended MPS	7,000
	02-21-2415	Q2624A	Standard MICR	3,500

Green Initiatives
Reduce your footprint
MSE's core reclamation program helps you sustain your business economically and environmentally. Please recycle your cores with MSE!

HP LaserJet 1160/1320

HP LaserJet 1160, 1320, 3390, 3392; Canon LBP-3300, LBP-3360 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-21-1114	Q5949A	Standard	2,500
	02-21-1116	Q5949X	High	6,000
	02-21-11162	Q5949X	Extended MPS	9,000
	02-21-1115	Q5949A	Standard MICR	2,500
	02-21-1117	Q5949X	High MICR	6,000

HP LaserJet 1200

HP LaserJet 1000, 1005, 1200, 1220, 3300, 3310, 3320, 3380, 3380 MFP and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-21-1514	C7115A	Standard	2,500
	02-21-1516	C7115X	High	3,500
	02-21-15162	C7115X	Extended MPS	7,000
	02-21-1515	C7115A	Standard MICR	2,500

HP LaserJet 1300

HP LaserJet 1300 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-21-1314	Q2613A	Standard	2,500
	02-21-1316	Q2613X	High	4,000
	02-21-13162	Q2613X	Extended MPS	8,000
	02-21-1315	Q2613A	Standard MICR	3,500

HP LaserJet 2100

HP LaserJet 2100, 2200; Canon LBP-1000, 1310, 470 and all compatible engines.

7	MSE Part No.	OEM No.	Type	Yield
	02-21-9614	C4096A	Standard	5,000
	02-21-9616	C4096A	Extended MPS	7,000
	02-21-9615	C4096A	Standard MICR	5,000

HP LaserJet 2300

HP LaserJet 2300 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-1014	Q2610A	Standard	6,000
	02-21-1016	Q2610A	Extended MPS	10,000
	02-21-1015	Q2610A	Standard MICR	6,000

HP LaserJet 2400

HP LaserJet 2410, 2420, 2430; Canon LBP-3460 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-2614	Q6511A	Standard	6,000
	02-21-2616	Q6511X	High	12,000
	02-21-2615	Q6511A	Standard MICR	6,000
	02-21-2617	Q6511X	High MICR	12,000

HP LaserJet 4

HP LaserJet 4, 4M, 4+, 4M+, 5, 5N, 5M; Brother HL-1260, 1660, 2060, 960; Canon LBP-1260, 8 IV, 860 and all compatible EX engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-9814	92298A	Standard	6,800
	02-21-9816	92298X	High	8,800
	02-21-9815	92298A	Standard MICR	6,800

PATENTED TECHNOLOGY

HP LaserJet 4000

HP LaserJet 4000, 4050; Brother HL-2460; Canon LBP-1760 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-21-2714	C4127A	Standard	6,000
	02-21-2716	C4127X	High	10,000
	02-21-27162	C4127X	Extended MPS	15,000
	02-21-2715	C4127A	Standard MICR	6,000
	02-21-2717	C4127X	High MICR	10,000

Patented Ultrasonic Welding Technology

OTHER REMANUFACTURERS HAVE CLIPS

NO CLIPS ON MSE

No clips equals clean OEM quality.
Maintains critical gap tolerances.
Full gasket seal.
MSE now welds more than 70 cartridge models.

HP Color Laser
HP 3500 Series
HP 3700 Series
HP 4600 Series
HP 4700 Series
HP 4730 Series
HP CP4005 Series
HP 5500 Series

HP Laser
HP 2100 Series
HP 2300 Series
HP 2400 Series
HP P3005 Series
HP P3015 Series
HP 4000 Series
HP 4100 Series
HP 4200 Series
HP 4250 Series
HP 4300 Series
HP 4345 Series
HP 4350 Series

Canon Laser
Canon FX-6
Canon FX-7
Canon L-50

HP

Replacement Cartridges

HP LaserJet 4100

HP LaserJet 4100 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-61163	C8061X	High	10,000
	02-21-61162	C8061X	Extended MPS	15,000
	02-21-6117	C8061X	High MICR	10,000

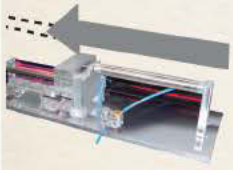
MSE Signature Product

Signature Product

HP 4200/ 4250/ 4300/ 4345/ 4350 Series

MSE's Patented Ultrasonic Welding:

- Ensures OEM type bond strength
- Perfect gap continuity between MAG/DR Blade and PCR/OPC
- Eliminates the need for clips and other methods for reattachment that signal to the user that a used product is in use



MSE's Patented Cartridge Separation:

- Ensures maintenance of critical gaps
- Maintaining OEM alignment pins

HP LaserJet 4200 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-3814	Q1338A	Standard	12,000
	02-21-3815	Q1338A	Standard MICR	13,500
	02-21-3816	Q1338A	Extended MPS	18,000
	02-21-38162	Q1338A	Un. Extended MPS	23,000
	02-21-42160	Q1338A	Universal High	18,000

HP LaserJet 4250/4350

HP LaserJet 4240, 4250, 4350 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-4214	Q5942A	Standard	10,000
	02-21-4215	Q5942A	Standard MICR	10,000
	02-21-4216	Q5942X	High	20,000
	02-21-4217	Q5942X	High MICR	20,000
	02-21-42160	Q5942X	Universal High	20,000
	02-21-38162	Q5942X	Un. Extended MPS	28,000
	02-21-39162	Q5942X	Un. Extended MPS	28,000

HP LaserJet 4300

HP LaserJet 4300 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-21-3914	Q1339A	Standard	18,000
	02-21-3915	Q1339A	Standard MICR	19,500
	02-21-38162	Q1339A	Un. Extended MPS	24,000
	02-21-39162	Q1339A	Un. Extended MPS	24,000
	02-21-42160	Q1339A	Universal High	18,000

HP LaserJet 4345

HP LaserJet 4345, M4345 MFP and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-21-34514	Q5945A	Standard	18,000
	02-21-38162	Q5945A	Un. Extended MPS	24,000
	02-21-39162	Q5945A	Un. Extended MPS	24,000
	02-21-42160	Q5945A	Universal High	18,000

HP LaserJet 5L

HP LaserJet 5L, 6L, 3100; Canon LBP-320, 460, 465, 660 and all compatible AX engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-21-0614	C3906A	Standard	2,500

HP LaserJet 5P

HP LaserJet 5MP, 5P, 6MP, 6P, 6PSE, 6PXI and all compatible VX engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-0314	C3903A	Standard	4,000
	02-21-0315	C3903A	Standard MICR	4,000

HP LaserJet 5Si

HP LaserJet 5Si, 8000; Lexmark Optra N 240, 245; IBM NP24, 4324; Canon LBP-2460 and all compatible WX engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-0914	C3909A	Standard	15,000
	02-21-0916	C3909A	Extended MPS	25,000
	02-21-0915	C3909A	Standard MICR	15,000

HP LaserJet 5000

HP LaserJet 5000, 5100; Canon imageCLASS 2200, 2210, 2220, 2250, LBP-1610, 1620, 1810, 1820, 840, 850, 870, 880, 910 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-2914	C4129X	Standard	10,000
	02-21-2915	C4129X	Standard MICR	10,000

HP LaserJet 5200

HP LaserJet 5200, M5025, M5035 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-21-1614	Q7516A / Q7570A	Standard	15,000

HP LaserJet 8100

HP LaserJet 8100, 8150, Mopier 320; Canon imageCLASS 4000, ImageRUNNER 3250, LBP-1910, 3260, 950 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-21-8214	C4182X	Standard	20,000
	02-21-8215	C4182X	Standard MICR	20,000

MSE Signature PRODUCT — *Signature Product*

Not all cartridges are created equal

MSE's Patented Laser Cutting Technology is computer-guided, eliminates human error, and enhances the aesthetic appearance of MSE's finished product. Splitting time for the HP 9000 takes MSE less than 4 minutes and reduces the cut width to less than 1/100th of an inch.

- **Computer-guided cutting delivers consistency**
- **Reduces cutting waste by 99%**
- **Increases manufacturing efficiencies**
- **Ensures proper cartridge alignment**
- **Guaranteed performance**

HP LaserJet 9000

HP LaserJet 9000, 9040, 9050, M9040, M9050 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-21-4314	C8543X	Standard	30,000
	02-21-43162	C8543X	Extended MPS	40,000
	02-21-4315	C8543X	Standard MICR	30,000

HP

Replacement Cartridges

HP LaserJet P1005

HP LaserJet P1002, P1003, P1004, P1005, P1006; Canon LBP-3010, LBP-3100 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-43514	CB435A	Standard	1,500
	02-21-435142	CB435A	Extended MPS	2,300

HP LaserJet Pro P1102

HP LaserJet Pro P1102, M1132 MFP, M1134, M1136, M1137, M1138, M1139, M1212, M1213, M1214, M1216, M1217, M1219; Canon i-SENSYS LBP-6020, i-SENSYS MF3010, imageCLASS LBP-6000, imageCLASS MF3010 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-2814	CE285A	Standard	1,600

HP LaserJet P1505

HP LaserJet P1505, M1120 MFP, M1522 MFP; Canon i-SENSYS LBP-3250 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-43614	CB436A	Standard	2,000
	02-21-436142	CB436A	Extended MPS	3,000

HP LaserJet Pro P1606

HP LaserJet Pro P1606, M1536 MFP; Canon LBP-6200 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-21-7814	CE278A	Standard	2,100

HP LaserJet P2015

HP LaserJet P2015, M2727 MFP; Canon LBP-3310, LBP-3370 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-21-5314	Q7553A	Standard	3,000
	02-21-5316	Q7553X	High	7,000
	02-21-53162	Q7553X	Extended MPS	10,000
	02-21-5315	Q7553A	Standard MICR	3,000

HP LaserJet P2035/P2055

HP LaserJet P2035, P2055; Canon LBP-6300, LBP-6310, LBP-6650, LBP-6670, MF5850, MF5880, MF5940, MF5950, MF5960, MF5980, MF6160, MF6180 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-21-0514	CE505A	Standard	2,300
	02-21-05142	CE505A	Extended MPS	4,000
	02-21-0516	CE505X	High	6,500
	02-21-05162	CE505X	Extended MPS	9,750
	02-21-0515	CE505A	Standard MICR	2,300
	02-21-0517	CE505X	High MICR	6,500

Vertical Integration

- ✔ **MSE designs proprietary robotics and equipment to streamline production processes and reduce human error.**
- ✔ **MSE has fabricated hundreds of tools and fixtures utilized in production.**

HP LaserJet P3005

HP LaserJet P3005, M3027, M3035 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-3514	Q7551A	Standard	6,500
	02-21-3516	Q7551X	High	13,000
	02-21-35162	Q7551X	Extended MPS	18,000
	02-21-3517	Q7551X	High MICR	13,000

HP LaserJet P3015

HP LaserJet Enterprise P3015, M521 MFP, M525 MFP; Canon LBP-6750, LBP-6780 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-5514	CE255A	Standard	6,000
	02-21-5516	CE255X	High	12,500
	02-21-5515	CE255A	Standard MICR	6,000
	02-21-5517	CE255X	High MICR	12,500

HP LaserJet Pro M127

HP LaserJet Pro M125, M127 MFP and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-8314	CF283A	Standard	1,500

HP LaserJet M401

HP LaserJet Pro M401, M425 MFP and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-21-8014	CF280A	Standard	2,700
	02-21-8016	CF280X	High	6,900
	02-21-80162	CF280X	Extended MPS	10,000
	02-21-8017	CF280X	High MICR	6,800

HP LaserJet M712

HP LaserJet Enterprise M712, M725 MFP and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-21-1414	CF214A	Standard	10,000
	02-21-1416	CF214X	High	17,500

MSE Signature PRODUCT — *Signature Product*

HP LaserJet P4014/ P4515, M4555 MFP/ M601/ M602/ M603

- Patent pending robotic hopper re-mating process maintains original OEM floating design
- Robotics ensure equal distribution of material
- Ensures flexible material similar to the OEM
- Custom raw materials formulas ensures print quality and extended wear characteristics needed in high yield and extended applications
- Real-world test protocols ensure extended yield quality in these demanding applications

HP LaserJet P4515

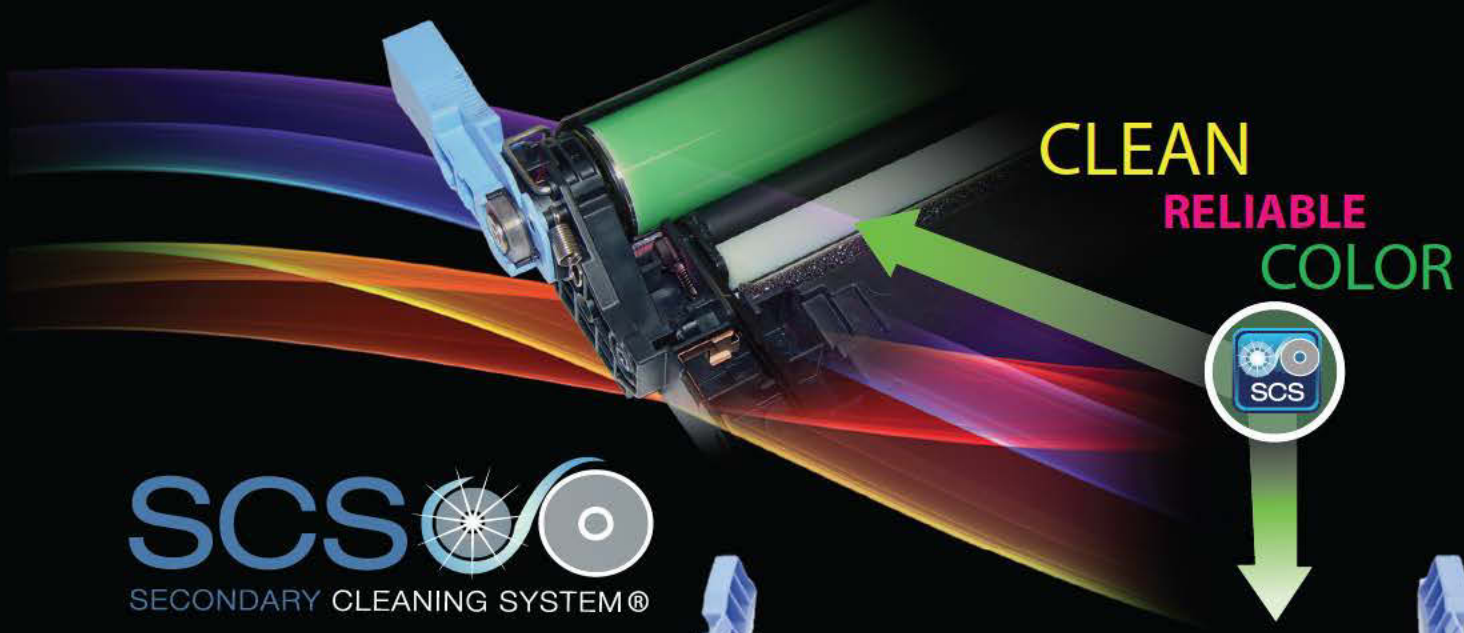
HP LaserJet P4014, P4015, P4515 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-21-6414	CC364A	Standard	10,000
	02-21-64142	CC364A	Extended MPS	18,000
	02-21-6416	CC364X	High	24,000
	02-21-64162	CC364X	Extended MPS	40,000
	02-21-6415	CC364A	Standard MICR	10,000
	02-21-6417	CC364X	High MICR	24,000

HP LaserJet M4555 MFP

HP LaserJet Enterprise M4555 MFP, M601, M602, M603 and all compatible engines.

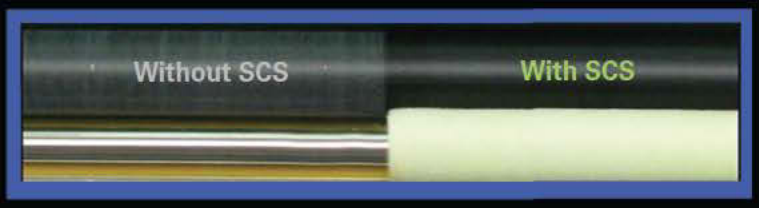
7	MSE Part No.	OEM No.	Type	Yield
	02-21-9014	CE390A	Standard	10,000
	02-21-90142	CE390A	Extended MPS	18,000
	02-21-4516	CE390X	High Yield	24,000
	02-21-45162	CE390X	Extended MPS	40,000
	02-21-9015	CE390A	Standard MICR	10,000
	02-21-4517	CE390X	High MICR	24,000



SCS
SECONDARY CLEANING SYSTEM®

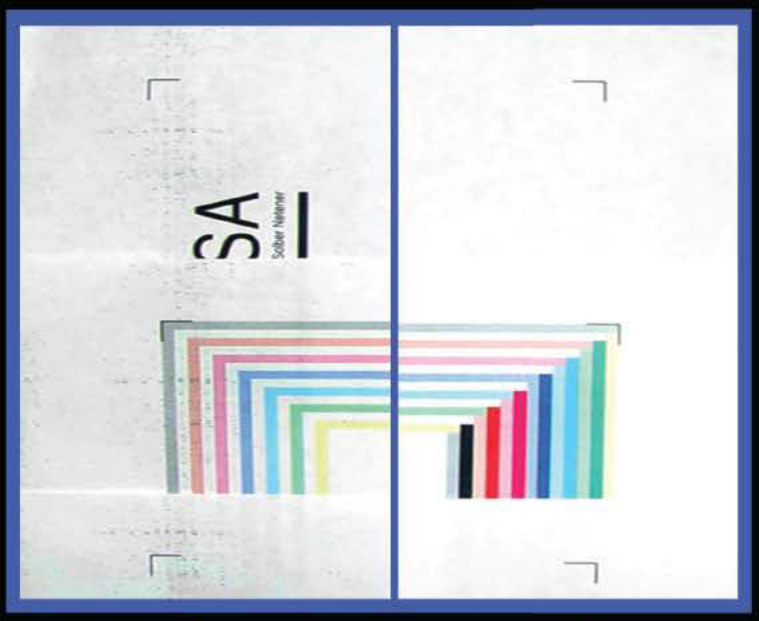
Secondary Cleaning System

The embodiment of Intelligent Re-Engineering®. This is the aftermarket's first patented invention of a new critical cartridge component not present in the original OEM cartridge! The secondary roller keeps the PCR thoroughly clean of toner buildup, which transfers to the OPC and paper through the life cycle. This results in pristine, clean prints from start to finish! This innovation virtually eliminates backgrounding, streaking, and dirty print. *



SCS Available in the following HP cartridges:	
HP Color LaserJet 4600	HP Color LaserJet CP4005
HP Color LaserJet 4700	HP Color LaserJet CP4525
HP Color LaserJet 4730	HP Color LaserJet CP5225
HP Color LaserJet 5500	HP Color LaserJet CP5525
HP Color LaserJet CP1215	HP Color LaserJet Pro M200
HP Color LaserJet Pro CP1525	HP Color LaserJet M551
HP Color LaserJet CP2025	HP Color LaserJet Pro M300/M400
HP Color LaserJet CP3525	HP Color LaserJet M775

SCS Available in the following Canon cartridges:	
Canon imageCLASS C3500	Canon imageCLASS C2500
Canon imageRUNNER LBP-5460	Canon imageCLASS LBP-5050
Canon i-SENSYS LBP-7200	



Without SCS:
- Backgrounding
- PCR adherence
- Toner additive buildup on OPC and PCR
- Improper charging of OPC

With SCS:
Clean, clear prints!

**Based on MSE lab results.

HP Color LaserJet 1500

HP Color LaserJet 1500, 2500, 2550, 2820, 2840; Canon imageCLASS MF8170, MF8180, LBP-2410 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
■	02-21-25014	C9700A / Q3960A	Standard	5,000
■	02-21-25114	C9701A / Q3961A	Standard	4,000
■	02-21-25214	C9702A / Q3962A	Standard	4,000
■	02-21-25314	C9703A / Q3963A	Standard	4,000

HP Color LaserJet 2600

HP Color LaserJet 1600, 2600, 2605, CM1015, CM1017 MFP; Canon LBP-5000, 5100 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
■	02-21-26014	Q6000A	Standard	2,500
■	02-21-26114	Q6001A	Standard	2,000
■	02-21-26214	Q6002A	Standard	2,000
■	02-21-26314	Q6003A	Standard	2,000

HP Color LaserJet 3000

HP Color LaserJet 3000, 2700 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
■	02-21-60014	Q7560A	Standard	6,500
■	02-21-60114	Q7561A	Standard	3,500
■	02-21-60214	Q7562A	Standard	3,500
■	02-21-60314	Q7563A	Standard	3,500

HP Color LaserJet 3500

HP Color LaserJet 3500, 3550 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-21-7014	Q2670A	Standard	6,000
■	02-21-7114	Q2671A	Standard	4,000
■	02-21-7214	Q2672A	Standard	4,000
■	02-21-7314	Q2673A	Standard	4,000

HP Color LaserJet 3600

HP Color LaserJet 3600; Canon imageCLASS MF8450 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
■	02-21-70014	Q6470A	Standard	6,000
■	02-21-70114	Q6471A	Standard	4,000
■	02-21-70214	Q6472A	Standard	4,000
■	02-21-70314	Q6473A	Standard	4,000

HP Color LaserJet 3700

HP Color LaserJet 3700 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
■	02-21-7014	Q2670A	Standard	6,000
■	02-21-37114	Q2681A	Standard	6,000
■	02-21-37214	Q2682A	Standard	6,000
■	02-21-37314	Q2683A	Standard	6,000

HP Color LaserJet 3800

HP Color LaserJet 3800, CP3505; Canon imageCLASS MF9130, MF9150, MF9170, MF9220, MF9280, LBP-5300, LPB-5360 and all compatible engines.

7	MSE Part No.	OEM No.	Type	Yield
■	02-21-70014	Q6470A	Standard	6,000
■	02-21-80114	Q7581A	Standard	6,000
■	02-21-80214	Q7582A	Standard	6,000
■	02-21-80314	Q7583A	Standard	6,000

HP Color LaserJet 4500

HP Color LaserJet 4500, 4550; Canon C LBP-400, 460, LBP-2040, 2050 and all compatible engines.

8	MSE Part No.	OEM No.	Type	Yield
■	02-21-4514	C4191A	Standard	9,000
■	02-21-4614	C4192A	Standard	6,000
■	02-21-4814	C4194A	Standard	6,000
■	02-21-4714	C4193A	Standard	6,000
	58-21-4514	C4195A	Drum Unit	25,000

HP Color

Replacement Cartridges

MSE Signature Product

HP Color LaserJet 4600/ 5500 Series

- MSE's patented SCS virtually eliminates toner additive buildup on the PCR, greatly improving print output and eliminating backgrounding and streaking.
- MSE's proprietary robotic gasket-sealing technology eliminates leaking from wiper blade gaps.
- MSE's patented ultrasonic welding allows for the maintenance of critical gaps (between the DVR roller/Dr blade and PCR/ OPC), which in color is crucial due to smaller toner particles and more stringent print quality requirements.
- Full gasket-sealing technology

HP Color LaserJet 4600

HP Color LaserJet 4600, 4610, 4650; Canon imageCLASS C2500, LBP-2510, 5500 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
■	02-21-2014	C9720A	Standard	9,000
■	02-21-2114	C9721A	Standard	8,000
■	02-21-2214	C9722A	Standard	8,000
■	02-21-2314	C9723A	Standard	8,000
	07-21-4602	Q3675A	Transfer Belt	150,000

HP Color LaserJet 5500

HP Color LaserJet 5500, 5550; Canon imageCLASS C3500, LBP-2710, 2810, 5700, 5800 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
■	02-21-3014	C9730A	Standard	13,000
■	02-21-3114	C9731A	Standard	12,000
■	02-21-3214	C9732A	Standard	12,000
■	02-21-3314	C9733A	Standard	12,000

HP Color LaserJet 4700

HP Color LaserJet 4700 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
■	02-21-50014	Q5950A	Standard	11,000
■	02-21-50114	Q5951A	Standard	10,000
■	02-21-50214	Q5952A	Standard	10,000
■	02-21-50314	Q5953A	Standard	10,000
	07-21-4702	Q7504A	Transfer Belt	120,000

HP Color LaserJet 4730

HP Color LaserJet 4730, CM4730 MFP and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-21-47014	Q6460A	Standard	12,000
■	02-21-47114	Q6461A	Standard	12,000
■	02-21-47214	Q6462A	Standard	12,000
■	02-21-47314	Q6463A	Standard	12,000
	07-21-4702	Q7504A	Transfer Belt	120,000

HP Color LaserJet CM4540 MFP

HP Color LaserJet CM4540 MFP and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
■	02-21-450014	CE260A	Standard	8,500
■	02-21-540016	CE264X	High	17,000
■	02-21-540114	CF031A	Standard	12,500
■	02-21-540214	CF032A	Standard	12,500
■	02-21-540314	CF033A	Standard	12,500

Advanced Color TECHNOLOGIES®

HP Color LaserJet CP1025

HP LaserJet Pro CP1025, M175 MFP, M275; Canon i-SENSYS LBP-7010, i-SENSYS LBP-7018 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
■	02-21-31014	CE310A	Standard	1,200
■	02-21-31114	CE311A	Standard	1,000
■	02-21-31214	CE312A	Standard	1,000
■	02-21-31314	CE313A	Standard	1,000

HP Color LaserJet CP1215

HP Color LaserJet CP1215, CP1515, CP1518, CM1312 MFP; Canon imageCLASS LBP-5050, MF8030, MF8050, MF8080 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
■	02-21-54014	CB540A	Standard	2,200
■	02-21-54114	CB541A	Standard	1,400
■	02-21-54214	CB542A	Standard	1,400
■	02-21-54314	CB543A	Standard	1,400

HP Color LaserJet CP1525

HP LaserJet Pro CP1525, CM1415 MFP and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
■	02-21-20014	CE320A	Standard	2,000
■	02-21-20114	CE321A	Standard	1,300
■	02-21-20214	CE322A	Standard	1,300
■	02-21-20314	CE323A	Standard	1,300

HP Color LaserJet CP2025

HP Color LaserJet CP2025, CM2320 MFP; Canon i-SENSYS LBP-7200, LBP-7660, LBP-7680, MF8330, MF8340, MF8350, MF8360, MF8380, imageCLASS LBP-7200, LBP-7660, LBP-7680 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-21-53014	CC530A	Standard	3,500
■	02-21-53114	CC531A	Standard	2,800
■	02-21-53214	CC532A	Standard	2,800
■	02-21-53314	CC533A	Standard	2,800

Advanced Color TECHNOLOGIES®

Are you capturing the 20+Billion dollar Color Opportunity?

- **Join MSE**
  We offer the market's only true alternative to the OEM, underpinned by world-class sales and marketing support programs.
- **Nearly 100% Success Rate**
  When quality-conscious OEM customers tour our California-based facility, they are converted. Come see why!

Use our factory as your best sales tool.

Quality Made in the U.S.A. since 1994

Bring your customers now, you WILL increase your business!

Hosted by MSE!*

* Some restrictions may apply

SOURCE: Lyra Research

HP Color

Replacement Cartridges

MSE Signature PRODUCT

Signature Product

HP Color LaserJet CP3525 and M551 Series

- MSE's patented SCS
  - -Virtually eliminates toner additive buildup on the PCR
  - -Greatly improving print output, eliminating backgrounding, and streaking.
- MSE's Proprietary automated toner priming
  - -Uniform Priming of the Adder Roller eliminates excess toner from system
  - -Improved aesthetics and user experience

HP Color LaserJet CP3525

HP Color LaserJet CP3525, CM3530 MFP; Canon imageRUNNER LBP-5460, LBP-7750, MF7750 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
■	02-21-35014	CE250A	Standard	5,000
■	02-21-35016	CE250X	High	10,500
■	02-21-35114	CE251A	Standard	7,000
■	02-21-35214	CE252A	Standard	7,000
■	02-21-35314	CE253A	Standard	7,000

HP Color LaserJet M551

HP Color LaserJet Enterprise M551, M575 MFP, flow M575 MFP, Pro M570 MFP and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
■	02-21-51014	CE400A	Standard	5,500
■	02-21-51016	CE400X	High	11,000
■	02-21-51114	CE401A	Standard	6,000
■	02-21-51214	CE402A	Standard	6,000
■	02-21-51314	CE403A	Standard	6,000

HP Color LaserJet CP4005

HP Color LaserJet CP4005 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
■	02-21-40014	CB400A	Standard	7,500
■	02-21-40114	CB401A	Standard	7,500
■	02-21-40214	CB402A	Standard	7,500
■	02-21-40314	CB403A	Standard	7,500
	07-21-4702	Q7504A	Transfer Belt	120,000

HP Color LaserJet CP4525

HP Color LaserJet CP4025, CP4525 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-21-450014	CE260A	Standard	8,500
■	02-21-450016	CE260X	High	17,000
■	02-21-450114	CE261A	Standard	11,000
■	02-21-450214	CE262A	Standard	11,000
■	02-21-450314	CE263A	Standard	11,000

HP Color LaserJet CP6015

HP Color LaserJet CP6015, CM6030 MFP, CM6040 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
■	02-21-81014	CB380A	Standard	16,500
■	02-21-81114	CB381A	Standard	21,000
■	02-21-81214	CB382A	Standard	21,000
■	02-21-81314	CB383A	Standard	21,000

HP Color LaserJet M200

HP Color LaserJet Pro M251, M276 MFP and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
■	02-21-21014	CF210A	Standard	1,600
■	02-21-21016	CF210X	High	2,400
■	02-21-21114	CF211A	Standard	1,800
■	02-21-21214	CF212A	Standard	1,800
■	02-21-21314	CF213A	Standard	1,800

HP Color LaserJet M300/M400

HP Color LaserJet Pro M351, M375 MFP, M451, M475 MFP and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
■	02-21-41014	CE410A	Standard	2,200
■	02-21-41016	CE410X	High	4,000
■	02-21-41114	CE411A	Standard	2,600
■	02-21-41214	CE412A	Standard	2,600
■	02-21-41314	CE413A	Standard	2,600

ISO 19798
VERIFIED YIELD

Color Page Yield Verified

The ISO 19798 standard measures multiple factors in regards to page yield for color laser printer cartridges. The test is done with a minimum of 12 cartridges (three sets of CMYK) tested on three separate printers. MSE color products meet/exceed OEM yield based upon ISO 19798 test methodologies.

MSE Signature Product

HP Color LaserJet CP5225, CP5525, M775 Series

- MSE's patented SCS
  - -Virtually eliminates toner additive buildup on the PCR
  - -Greatly improving print output, eliminating background, and streaking.
- MSE's Proprietary automated toner priming
  - -Uniform Priming of the Adder Roller eliminates excess toner from system
  - -Improved aesthetics and user experience
- Dr. Blade Positioning
  - -Automates protocol of setting uniform gaps in all HP color cartridges
  - -Precise gap settings allow for uniform distribution of toner onto adder rollers
  - -Eliminates leaking, print inconsistencies (light/dark print) and banding

HP Color LaserJet CP5225

HP Color LaserJet Professional CP5225 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
■	02-21-52014	CE740A	Standard	7,000
■	02-21-52114	CE741A	Standard	7,300
■	02-21-52214	CE742A	Standard	7,300
■	02-21-52314	CE743A	Standard	7,300

HP Color LaserJet CP5525

HP Color LaserJet Enterprise CP5525, M750 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-21-55014	CE270A	Standard	13,500
■	02-21-55114	CE271A	Standard	15,000
■	02-21-55214	CE272A	Standard	15,000
■	02-21-55314	CE273A	Standard	15,000

HP Color LaserJet M775

HP Color LaserJet Enterprise M775 MFP and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
■	02-21-34014	CE340A	Standard	13,500
■	02-21-34114	CE341A	Standard	16,000
■	02-21-34214	CE342A	Standard	16,000
■	02-21-34314	CE343A	Standard	16,000

Lexmark

Replacement Cartridges

Lexmark E220

Lexmark E220, E321, E323; IBM InfoPrint 1312; Dell P1500 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-25-2316	12A7305/12A7405	High	6,000

Lexmark E230

Lexmark E230, E232, E240, E330, E332, E340, E342, X340, X342; Dell 1700, 1710; IBM InfoPrint 1412, 1512 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-25-3316	34035HA / 34015HA 34036HE / 34016HE	High	6,000

INTELLIGENT RE-ENGINEERING®

Tangible Differentiation

MSE's 38 patented and patent-pending technologies, combined with the market's most exhaustive R&D and QC protocols, offer concrete value and the truest OEM-alternative product!

5 STEP QC PROTOCOL

PATENTED TECHNOLOGY

Lexmark E250/E350/E450

Lexmark E250, E350, E352, E450; Dell 1720; IBM InfoPrint 1601, 1602, 1612, 1622 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-24-3514	E450A21A / E450A11A E450A21E / E450A11E	Standard	6,000
	02-24-3516	E352H21A / E352H11A E352H21E / E352H11E	High	9,000
	02-24-35162	E450H21A / E450H11A E450H21E / E450H11E	Extra High	11,000

Lexmark E260/E360/E460/E462

Lexmark E260, E360, E460, E462 and all compatible engines.

4	MSE Part No.	OEM No.	Type/ Region	Yield
	02-24-3614	E260A11A / E260A21A	Standard North America	3,500
	02-24-3616	E360H11A / E360H21A	High North America	9,000
	02-24-36162	E460X11A / E460X21A	Extra High North America	15,000
	02-24-3614E	E260A11E / E260A21E	Standard EMEA	3,500
	02-24-3616E	E360H11E / E360H21E	High EMEA	9,000
	02-24-36162E	E460X11E / E460X21E	Extra High EMEA	15,000
	02-24-3614L	E260A11L / E260A21L	Standard Latin America	3,500
	02-24-3616L	E360H11L / E360H21L	High Latin America	9,000
	02-24-36162L	E460X11L / E460X21L	Extra High Latin America	15,000

MPS ENGINEERED®

Extended Yield Cartridges

Whenever you see the MPS Engineered® icon you will know that you are recieving the most reliable and technologically advanced extended yield product in the market.

Lexmark Optra N 240

Lexmark Optra N 240, 245, IBM Network Printer 24, 4324; HP LaserJet 5Si, 8000; Canon LBP-2460; and all compatible WX engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-0914	140109A	Standard	15,000
	02-21-0916	140109A	Extended MPS	25,000
	02-21-0915	140109A	Standard MICR	15,000

Lexmark Optra S

Lexmark Optra S 1250, 1255, 1620, 1625, 1650, 1855, 2450, 2455, 4059 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-24-5916	1382625 / 1382925	High	17,600
	02-24-59164	1382929	High Label	17,600

Lexmark Optra Se

Lexmark Optra Se 3455 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-24-3416	12A0725 / 12A0825	High	23,000
	02-24-34164	12A0829	High Label	23,000

Lexmark Optra T

Lexmark Optra T 4069, T610, T612, T614, T616 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-24-6916	12A5745 / 12A5845	High	25,000
	02-24-69164	12A5849	High Label	25,000

Lexmark T420

Lexmark T420; Dell S2500; IBM InfoPrint 1222 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-25-4216	12A7315 / 12A7415	High	10,000

MSE Signature Product

Lexmark T640 and T650

Featuring MSE Proprietary Technology:

- Recovery Blades Eliminate Leaking
- Cleaner Systems Increase Fuser Life
- 100% Tested for Fuser Longevity

*Based on MSE lab results

Lexmark T640, T642, T644, X642 MFP, X644 MFP, X646 MFP; Dell 5210, 5310; IBM InfoPrint 1532, 1552, 1570 MFP, 1572, 1572 MFP, 1650 MFP and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-24-1516	64035HA / 64015HA 64036HE / 64016HE	High	21,000
	02-24-15162	64435XA / 64415XA 64436XE / 64416XE	Extra High	32,000
	02-24-15164	64004HA / 64004HE	High Label	21,000
	02-24-151624	64404XA / 64404XE	Extra High Label	32,000
	02-24-1517	64035HA / 64015HA 64036HE / 64016HE	High MICR	15,000

See page 40 for complete list of T650 products

Lexmark

Replacement Cartridges

Lexmark T430

Lexmark T430; IBM InfoPrint 1422 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-25-4316	12A8325 / 12A8425	High	12,000

Lexmark T520

Lexmark T520, T522, X520, X522; IBM InfoPrint 1120, 1125 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-24-2516	12A6735 / 12A6835	High	20,000
	02-24-25164	12A6839	High Label	20,000

Lexmark T620

Lexmark T620, T622; IBM InfoPrint 1130, 1140 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-24-3016	12A6765 / 12A6865	High	30,000
	02-24-30164	12A6869	High Label	30,000
	02-24-3017	12A6765 / 12A6865	High MICR	15,000

Lexmark T630

Lexmark T630, T632, T634, X630 MFP, X632 MFP, X634 MFP; Dell M5200, W5300; IBM InfoPrint 1332, 1352, 1372 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-24-1316	12A7362 / 12A7462	High	21,000
	02-24-13162	12A7365 / 12A7465	Extra High	32,000
	02-24-131624	12A7469	Extra High Label	32,000
	02-24-13164	12A7468	High Label	21,000
	02-24-1317	12A7362 / 12A7462	High MICR	15,000

Lexmark T650

Lexmark T650, T652, T654, T656 and all compatible engines.

5	MSE Part No.	OEM No.	Type/ Region	Yield
	02-24-6516	T650H11A / T650H21A	High North America	25,000
	02-24-65164	T650H04A	High Label North America	25,000
	02-24-65162	T654X11A / T654X21A	Extra High North America	36,000
	02-24-651624	T654X04A	Extra High Label North America	36,000
	02-24-6516E	T650H11E / T650H21E	High EMEA	25,000
	02-24-65164E	T650H04E	High Label EMEA	25,000
	02-24-65162E	T654X11E / T654X21E	Extra High EMEA	36,000
	02-24-651624E	T654X04E	Extra High Label EMEA	36,000
	02-24-6516L	T650H11L / T650H21L	High Latin America	25,000
	02-24-65164L	T650H04L	High Label Latin America	25,000
	02-24-65162L	T654X11L / T654X21L	Extra High Latin America	36,000
	02-24-651624L	T654X04L	Extra High Label Latin America	36,000

Lexmark X215 MFP

Lexmark X215 MFP; Samsung ML-1510, 1710, 1740, 1750, SCX-4016, 4116, 4216, SF-560, 565, 750, 755; Xerox Phaser 3130 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-23-1714	18S0090	Standard	3,200

Lexmark X264 MFP

Lexmark X264, X363, X364 MFP and all compatible engines.

7	MSE Part No.	OEM No.	Type	Yield
	02-24-2614	X264A11G / X264A21G	Standard	3,500
	02-24-2616	X264H11G / X264H21G	High	9,000

Lexmark X422 MFP

Lexmark X422 MFP, IBM InfoPrint 1410 MFP and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-24-42216	12A3715 / 12A4715	High	12,000

Lexmark X463 MFP

Lexmark X463, X464, X466 MFP and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-24-4616	X463H11G / X463H21G	High	9,000
	02-24-46162	X463X11G / X463X21G	Extra High	15,000

Lexmark X651 MFP

Lexmark X651, X652, X654, X656, X658 MFP and all compatible engines.

3	MSE Part No.	OEM No.	Type/ Region	Yield
	02-24-5116	X651H11A / X651H21A	High North America	25,000
	02-24-51164	X651H04A	High Label North Ameria	25,000
	02-24-51162	X654X11A / X654X21A	Extra High North America	36,000
	02-24-511624	X654X04A	Extra High Label North America	36,000
	02-24-5116E	X651H11E / X651H21E	High EMEA	25,000
	02-24-51164E	X651H04E	High Label EMEA	25,000
	02-24-51162E	X654X11E / X654X21E	Extra High EMEA	36,000
	02-24-511624E	X654X04E	Extra High Label EMEA	36,000
	02-24-5116L	X651H11L / X651H21L	High Latin America	25,000
	02-24-51164L	X651H04L	High Label Latin America	25,000
	02-24-51162L	X654X11L / X654X21L	Extra High Latin America	36,000
	02-24-511624L	X654X04L	Extra High Label Latin America	36,000

EMEA Sales & Distribution

- Distribution from the Netherlands, United Kingdom, Spain, and the U.A.E
- Market Leading Consultative Sales and Customer Service In 8 Languages
- Multilingual Sales & Marketing Collateral in French, Russian, Greek, Italian, German and Spanish
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Brother

Replacement Cartridges

Brother HL-1240

Brother HL-1030, 1230, 1240, 1250, 1270, 1430, 1435, 1440, 1450, 1470, DCP-1200, 1400, IntelliFax 4100, 4750, 5750, MFC-8300, 8500, 8600, 8700, 9600, 9650, 9660, 9700, 9750, 9760, 9800, 9850, 9860, 9870, 9880, P2500 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-03-4616	TN-460 / TN-6600	High	6,000
	58-03-4014	DR-400 / DR-6000	Drum Unit	20,000

Brother HL-1260

Brother HL-1260, 1660, 2060, 960; HP LaserJet 4, 4M, 4+, 4M+, 5, 5N, 5M; Canon LBP-1260, 8 IV, 860 and all compatible EX engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-9814	N/A	Standard	6,800
	02-21-9816	TN-9000	High	8,800
	02-21-9815	TN-9000	Standard MICR	6,800

Brother HL-2040

Brother HL-2030, 2040, 2070, DCP-7010, 7020, 7025, IntelliFax-2820, 2910, 2920, MFC-7220, 7225, 7420, 7820 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-03-3514	TN-350 / TN-2000	Standard	2,500
	58-03-3514	DR-350 / DR-2000	Drum Unit	12,000

Brother HL-2140

Brother HL-2140, 2150, 2170, DCP-7030, 7040, 7045, MFC-7320, 7340, 7345, 7440, 7840 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-03-3314	TN-330 / TN-2110	Standard	1,500
	02-03-3616	TN-360 / TN-2120	High	2,600
	58-03-3614	DR-360 / DR-2100	Drum Unit	12,000

Brother HL-2240

Brother HL-2220, 2230, 2240, 2250, 2270, 2280, MFC-7360, 7460, 7860 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-03-4516	TN-450 / TN-2220	High	2,600
	58-03-4214	DR-420 / DR-2200	Drum Unit	12,000

Brother HL-2460

Brother HL-2460; HP LaserJet 4000, 4050; Canon LBP-1760 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-21-2714	N/A	Standard	6,000
	02-21-2716	TN-9500	High	10,000
	02-21-27162	TN-9500	Extended MPS	15,000

MSE Dealers have secure, exclusive access

- ✔ Place orders online
- ✔ Obtain order tracking information
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- ✔ View order status
- ✔ View cartridge availability
- ✔ View the current status of RMAs, including MSE QC inspection results

Functionality subject to change without notice

Brother HL-5140

Brother HL-5130, 5140, 5150, 5170, DCP-8040, 8045, MFC-8220, 8440, 8640, 8840 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-03-5414	TN-540 / TN-3030	Standard	3,500
	02-03-5716	TN-570 / TN-3060	High	6,700
	58-03-51014	DR-510 / DR-3000	Drum Unit	20,000

Brother HL-5240

Brother HL-5240, 5250, 5270, 5280, DCP-8060, 8065, MFC-8460, 8470, 8660, 8670, 8860, 8870 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-03-5514	TN-550 / TN-3130	Standard	3,500
	02-03-5816	TN-580 / TN-3170	High	7,000
	58-03-52014	DR-520 / DR-3100	Drum Unit	25,000

Brother HL-5340

Brother HL-5340, 5350, 5370, 5380, DCP-8080, 8085, MFC-8480, 8680, 8880, 8890 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-03-6214	TN-620 / TN-3230	Standard	3,000
	02-03-6516	TN-650 / TN-3280	High	8,000
	58-03-6216	DR-620 / DR-3200	Drum Unit	25,000

Expanded Pennsylvania Distribution Facilities

MSE now warehouses over 50,000 cartridges in over 28,000 square feet of distribution space, offering immediate servicing of most of the Northeast in 2 business days!

Brother Color

MSE Signature Product

Our line of Brother Cartridges feature MSE's ACT technologies. This includes exhaustive test protocols and technologies which has allowed us to overcome historical challenges with this model and to offer a product that even exceeds OEM quality.

Brother HL-4040

Brother HL-4040, 4070, DCP-9040, 9045, MFC-9440, 9450, 9840 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-03-40016	TN-115BK / TN-135BK	High	5,000
■	02-03-40116	TN-115C / TN-135C	High	4,000
■	02-03-40216	TN-115Y / TN-135Y	High	4,000
■	02-03-40316	TN-115M / TN-135M	High	4,000

Brother HL-4150

Brother HL-4150, 4570, MFC-9460, 9560, 9970 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
■	02-03-41016	TN-315BK / TN-325BK	High	6,000
■	02-03-41116	TN-315C / TN-325C	High	3,500
■	02-03-41216	TN-315Y / TN-325Y	High	3,500
■	02-03-41316	TN-315M / TN-325M	High	3,500

Dell

Replacement Cartridges

Dell 1100

Dell 1100, 1110 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-70-1114	310-6640 / 310-7660	Standard	2,000
	02-23-2014	310-6640 / 310-7660	High	3,000

Dell P1500

Dell P1500; Lexmark E220, E321, E323; IBM InfoPrint 1312 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-25-2316	310-3543 / 310-3545	High	6,000

Dell 1700

Dell 1700, 1710; Lexmark E230, E232, E240, E330, E332, E340, E342, X340, X342; IBM InfoPrint 1412, 1512 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-25-3316	310-5402 / 310-5400 310-7025 / 310-7022	High	6,000

Dell 1720

Dell 1720; Lexmark E250, E350, E352, E450; IBM InfoPrint 1601, 1602, 1612, 1622 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-24-3514	310-8702 / 310-8700 310-8709 / 310-8707	Standard	6,000
	02-24-3516	N/A	High	9,000
	02-24-35162	N/A	Extra High	11,000

Dell 1815

Dell 1815 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-70-1816	310-7945	High	5,000

Dell 2230

Dell 2230 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-70-2214	330-4130 / 330-4131	Standard North America	3,500
	02-70-2214E	593-10500 / 593-10501	Standard EMEA	3,500

Dell 2330

Dell 2330, 2350 and all compatible engines.

7	MSE Part No.	OEM No.	Type/ Region	Yield
	02-70-2316	330-2666 / 330-2667	High North America	6,000
	02-70-2316E	593-10334 / 593-10335	High EMEA	6,000

Dell 2335

Dell 2335 and all compatible engines.

8	MSE Part No.	OEM No.	Type	Yield
	02-70-0916	330-2209	High	6,000

Dell 2355

Dell 2355 and all compatible engines.

9	MSE Part No.	OEM No.	Type	Yield
	02-70-0616	331-0611	High	10,000

Dell S2500

Dell S2500; Lexmark T420; IBM InfoPrint 1222 and all compatible engines.

10	MSE Part No.	OEM No.	Type	Yield
	02-25-4216	310-3674/310-3547	High	10,000

Dell 3330

Dell 3330 and all compatible engines.

1	MSE Part No.	OEM No.	Type/ Region	Yield
	02-70-3014	330-5209 / 330-5210	Standard North America	7,000
	02-70-3014E	593-10840 / 593-10841	Standard EMEA	7,000
	02-70-3016	330-5206 / 330-5270	High North America	14,000
	02-70-3016E	593-10838 / 593-10839	High EMEA	14,000

Dell 3333 MFP

Dell 3333 MFP, 3335 and all compatible engines.

2	MSE Part No.	OEM No.	Type/ Region	Yield
	02-70-3514	330-8573 / 330-8986	Standard North America	8,000
	02-70-3516	330-8985 / 330-8987	High North America	14,000

Dell M5200

Dell M5200, W5300; Lexmark T630, T632, T634, X630 MFP, X632 MFP, X634 MFP; IBM InfoPrint 1332, 1352, 1372 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-24-1316	310-4133 / 310-4131 310-4572 / 310-4549	High	21,000
	02-24-13162	310-4587 / 310-4585	Extra High	32,000
	02-24-13164	310-4133 / 310-4131 310-4572 / 310-4549	High Label	21,000
	02-24-131624	310-4587 / 310-4585	Extra High Label	32,000
	02-24-1317	310-4133 / 310-4131 310-4572 / 310-4549	High MICR	15,000

Dell 5210

Dell 5210, 5310; Lexmark T640, T642, T644, X642 MFP, X644 MFP, X646 MFP; IBM InfoPrint 1532, 1552, 1570 MFP, 1572, 1572 MFP, 1650 MFP and all compatible engines.

4	MSE Part -No.	OEM No.	Type	Yield
	02-24-1516	341-2916 / 341-2919 341-2938 / 341-7237	High	21,000
	02-24-15162	341-2939 / 310-7238	Extra High	32,000
	02-24-15164	341-2916 / 341-2919 341-2938 / 341-7237	High Label	21,000
	02-24-151624	341-2939 / 310-7238	Extra High Label	32,000
	02-24-1517	341-2916 / 341-2919 341-2938 / 341-7237	High MICR	15,000

Dell 5230/5350

Dell 5230, 5350 and all compatible engines.

5	MSE Part No.	OEM No.	Type/ Region	Yield
	02-70-5316	330-6968 / 330-6991	High North America	21,000
	02-70-53162	330-9511 / 330-9619	Extra High North America	30,000

Dell 5330

Dell 5330 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-70-2016	330-2045	High	20,000

Dell 5530

Dell 5530, 5535 MFP and all compatible engines.

7	MSE Part No.	OEM No.	Type/ Region	Yield
	02-70-5516	330-9787 / 330-9788	High North America	25,000
	02-70-55162	330-9791 / 330-9792	Extra High North America	36,000

Dell Color Laser Cartridges

Dell 3110

Dell 3110, 3115 MFP and all compatible engines.

8	MSE Part No.	OEM No.	Type	Yield
■	02-70-31016	310-8092 / 310-8395	High	8,000
■	02-70-31116	310-8094 / 310-8397	High	8,000
■	02-70-31216	310-8098 / 310-8399	High	8,000
■	02-70-31316	310-8096 / 310-8401	High	8,000

Dell 3130

Dell 3130 and all compatible engines.

9	MSE Part No.	OEM No.	Type	Yield
■	02-70-10016	330-1198	High	9,000
■	02-70-10116	330-1199	High	9,000
■	02-70-10216	330-1200	High	9,000
■	02-70-10316	330-1204	High	9,000

Samsung

Replacement Cartridges

Samsung ML-1630

Samsung ML-1630; SCX-4500 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-23-3014	ML-D1630A	Standard	2,000

Samsung ML-1710

Samsung ML-1410, 1510, 1520, 1710, 1740, 1750, SCX-4016, 4116, 4216, SF-560, 565, 750, 755; Lexmark X215 MFP; Xerox Phaser 3130 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-23-1714	ML-1710D3 / SCX-4216D3	Standard	3,000

Samsung ML-2525

Samsung ML-1910, ML-1915, ML-2525, ML-2540, ML-2545, ML-2580, SCX-4600, SCX-4623, SF-650 MFP and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-23-1016	MLT-D105L	High	2,500

Samsung ML-2010

Samsung ML-1610, ML-2010, ML-2510, ML-2570, ML-2571, SCX-4321 MFP, SCX-4521 MFP, Dell 1100, 1110 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-23-2014	ML-2010D3 ML-1610D2/SCX-4521D3	Standard	3,000

Samsung ML-4551

Samsung ML-4050, ML-4550, ML-4551 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-23-4016	ML-D4550B	High	20,000

Canon Laser Cartridges

Canon FAX L120

Canon FAX L120, L140, FAXPHONE L120, L90, i-SENSYS 4120, 4140, 4150, MF4010, 4100, 4110, 4120, 4140, 4150, 4270, 4320, 4330, 4340, 4350, 4370, 4380, 4660, 4690 imageCLASS D420, 480, MF4150, 4270, 4350, 4370,4380, 4690 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	06-06-1014	0263B001A FX-10/ CRG-104	Standard	2,000

Canon FAX L1000

Canon FAX L1000, LaserCLASS 3170, 3175 and all compatible engines.

7	MSE Part No.	OEM No.	Type	Yield
	04-06-0614	1559A002AA / FX-6	Standard	5,000

Canon FAX L200

Canon FAX L200, L220, L240, L250, L260, L280, L290, L295, L300, L350, L360, FAXPHONE L75, L80, imageCLASS 1100, LaserCLASS 1060, 2050, 2060, L300, L4000 and all compatible engines.

8	MSE Part No.	OEM No.	Type	Yield
	04-06-0314	1557A002BA/FX-3	Standard	2,700

Canon FAX L2000

Canon FAX L2000, LaserCLASS 710, 720, 730 and all compatible engines.

9	MSE Part No.	OEM No.	Type	Yield
	04-06-0714	7621A001AA / FX-7	Standard	4,500

Canon FAX L380

Canon FAX L380, L390, L400, FAXPHONE L170, imageCLASS D320, D340, D360, LaserCLASS 310, 510, PC-D320, D340 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	04-06-0814	8955A001AA / FX-8/S35	Standard	3,500

Canon FAX L800

Canon FAX L800, L900, LaserCLASS 8500, 9000, 9500 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	04-06-0414	1558A002AA/FX-4	Standard	4,000

Canon imageCLASS 2200

Canon imageCLASS 2200, 2210, 2220, 2250, LBP-1610, 1620, 1810, 1820, 840, 850, 870, 880, 910; HP LaserJet 5000, 5100 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-2914	3711A001AA/EP-62	Standard	10,000
	02-21-2915	3711A001AA/EP-62	Standard MICR	10,000

Canon imageCLASS 4000

Canon imageCLASS 4000, ImageRUNNER 3250, LBP-1910, 3260, 950; HP LaserJet 8100, 8150, Mopier 320 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-21-8214	3845A002AA/EP-72	Standard	20,000
	02-21-8215	3845A002AA/EP-72	Standard MICR	20,000

Canon imageCLASS D1120

Canon imageCLASS D1120, D1150, D1170, D1180, i-SENSYS MF6680 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-06-2014	2617B001AA CRG-120/CRG-720	Standard	5,000
	02-06-20162	2617B001AA CRG-120/CRG-720	Extended MPS	9,000

Canon imageCLASS MF3110

Canon imageCLASS MF3110, MF3111, MF3240, MF5530, MF5500, MF5550, MF5730, MF5630, MF5650, MF5750, MF5770 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	06-06-2514	8489A001AA / X25	Standard	2,500

Canon LBP-1000

Canon LBP-1000, 1310, 470; HP LaserJet 2100, 2200 and all compatible engines.

7	MSE Part No.	OEM No.	Type	Yield
	02-21-9614	EP-32	Standard	5,000
	02-21-9616	EP-32	Extended MPS	7,000
	02-21-9615	EP-32	Standard MICR	5,000

Canon LBP-1110

Canon LBP-1110, 1120, 250, 350, 800, 810; HP LaserJet 1100, 3200 and all compatible engines.

8	MSE Part No.	OEM No.	Type	Yield
	02-21-9214	EP-22	Standard	2,500
	02-21-9215	EP-22	Standard MICR	2,500

Canon

Replacement Cartridges

Canon LBP-1260

Canon LBP-1260, 8 IV, 860; HP LaserJet 4, 4M, 4+, 4M+, 5, 5N, 5M; Brother HL-1260, 1660, 2060, 960 and all compatible EX engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-9814	1538A002AA/EP-E	Standard	6,800
	02-21-9816	1538A002AA/EP-E	Extended MPS	8,800
	02-21-9815	1538A002AA/EP-E	Standard MICR	6,800

Canon LBP-1760

Canon LBP-1760; HP LaserJet 4000, 4050; Brother HL-2460 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-2714	3839A002AA/EP-52	Standard	6,000
	02-21-2716	3839A002AA/EP-52	High	10,000
	02-21-27162	3839A002AA/EP-52	Extended MPS	15,000
	02-21-2715	3839A002AA/EP-52	Standard MICR	6,000
	02-21-2717	3839A002AA/EP-52	High MICR	10,000

Canon LBP-2460

Canon LBP-2460; HP LaserJet 5Si, 8000; Lexmark Optra N 240, 245; IBM NP24, 4324 and all compatible WX engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-0914	R74-6003-100/EP-W	Standard	15,000
	02-21-0916	R74-6003-100/EP-W	Extended MPS	25,000
	02-21-0915	R74-6003-100/EP-W	Standard MICR	15,000

Canon LBP-320

Canon LBP-320, 460, 465, 660; HP LaserJet 5L, 6L, 6Lxi, 6Lsf, 3100 and all compatible AX engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-21-0614	1548A002AA	Standard	2,500

Canon LBP-3010

Canon LBP-3010, LBP-3100; HP LaserJet P1002, P1003, P1004, P1005, P1006 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-21-43514	CRG-712	Standard	1,500
	02-21-435142	CRG-712	Extended MPS	2,300

Canon LBP-3300

Canon LBP-3300, LBP-3360; HP LaserJet 1160, 1320, 3390, 3392 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-21-1114	CRG-708	Standard	2,500
	02-21-1116	CRG-708H	High	6,000
	02-21-11162	CRG-708H	Extended MPS	9,000
	02-21-1115	CRG-708	Standard MICR	2,500
	02-21-1117	CRG-708H	High MICR	6,000

Canon LBP-3310

Canon LBP-3310, LBP-3370; HP LaserJet P2015, M2727 MFP and all compatible engines.

7	MSE Part No.	OEM No.	Type	Yield
	02-21-5314	CRG-715	Standard	3,000
	02-21-5316	CRG-715H	High	7,000
	02-21-53162	CRG-715H	Extended MPS	10,000
	02-21-5315	CRG-715	Standard MICR	3,000

Canon LBP-3460

Canon LBP-3460; HP LaserJet 2410, 2420, 2430 and all compatible engines.

8	MSE Part No.	OEM No.	Type	Yield
	02-21-2616	CRG-110II / CRG-710H	High	12,000
	02-21-2617	CRG-110II / CRG-710H	High MICR	12,000

Canon LBP-6200

Canon LBP-6200; HP LaserJet Pro P1606, M1536 MFP and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-21-7814	CRG-726	Standard	2,100

Canon LBP-6300

Canon LBP-6300, LBP-6310, LBP-6650, LBP-6670, MF5850, MF5880, MF5940, MF5950, MF5960, MF5980, MF6160, MF6180; HP LaserJet P2035, P2055 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-21-0514	CRG-119 / CRG-719	Standard	2,300
	02-21-05142	CRG-119 / CRG-719	Extended MPS	4,000
	02-21-0516	CRG-119II / CRG-719H	High	6,500
	02-21-05162	CRG-119II / CRG-719H	Extended MPS	9,750
	02-21-0515	CRG-119 / CRG-719	Standard MICR	2,300
	02-21-0517	CRG-119II / CRG-719H	High MICR	6,500

Canon LBP-6750

Canon LBP-6750, LBP-6780; HP LaserJet Enterprise P3015, M521 MFP, M525 MFP and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-5514	CRG-724	Standard	6,000
	02-21-5516	CRG-724H	High	12,500
	02-21-5515	CRG-724	Standard MICR	6,000
	02-21-5517	CRG-724H	High MICR	12,500

Canon imageCLASS MF6530

Canon imageCLASS MF6530, MF6531, MF6540, MF6550, MF6560, MF6580, MF6590, MF6595 MFP and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-06-6414	0264B001AA / 106	Standard	5,000

Canon PC-1060

Canon imageCLASS D660, D680, D760, D780, D860, D880, PC-1060, 1061, 1080 and all compatibles engines.

5	MSE Part No.	OEM No.	Type	Yield
	06-06-5014	6812A001AA / L50	Standard	5,000

Canon PC-140

Canon PC-140, 150, 160, 170, 300, 310, 320, 325, 330, 330L, 400, 420, 425, 428, 430, 530, 550, 3230, 710, 720, 730, 735, 740, 745, 760, 770, 775, 785, 790, 795, 860, 880, 890, 920, 921, 940, 950, 980 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	06-06-3116	1491A002AA/ E31 / E40	High	4,000

Canon i-SENSYS LBP-3250

Canon i-SENSYS LBP-3250; HP LaserJet P1505, M1120 MFP, M1522 MFP and all compatible engines

7	MSE Part No.	OEM No.	Type	Yield
	02-21-43614	CRG-713	Standard	2,000
	02-21-436142	CRG-713	Extended MPS	3,000

Canon i-SENSYS LBP-6020

Canon i-SENSYS LBP-6020, i-SENSYS MF3010, imageCLASS LBP-6000, imageCLASS MF3010; HP LaserJet Pro P1102, M1132 MFP, M1134, M1136, M1137, M1138, M1139, M1212, M1213, M1214, M1216, M1217, M1219 and all compatible engines.

8	MSE Part No.	OEM No.	Type	Yield
	02-21-2814	CRG-125 / CRG-725	Standard	1,600

Canon Color

Replacement Cartridges

Canon imageCLASS C2500

Canon imageCLASS C2500, LBP-2510, 5500; HP Color LaserJet 4600, 4610, 4650 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
■	02-21-2014	6825A004AA / EP-85	Standard	9,000
■	02-21-2114	6824A004AA / EP-85	Standard	8,000
■	02-21-2214	6822A004AA / EP-85	Standard	8,000
■	02-21-2314	6823A004AA / EP-85	Standard	8,000

Canon imageCLASS C3500

Canon imageCLASS C3500, LBP-2710, 2810, 5700, 5800; HP Color LaserJet 5500, 5550 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
■	02-21-3014	6830A004AA / EP-86	Standard	13,000
■	02-21-3114	6829A004AA / EP-86	Standard	12,000
■	02-21-3214	6827A004AA / EP-86	Standard	12,000
■	02-21-3314	6828A004AA / EP-86	Standard	12,000

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*SOURCE: Recharger Magazine

Canon imageCLASS LBP-5050

Canon imageCLASS LBP-5050, MF8030, MF8050, MF8080; HP Color LaserJet CP1215, CP1515, CP1518, CM1312 MFP and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
■	02-21-54014	CRG-116K / CRG-716K	Standard	2,200
■	02-21-54114	CRG-116C / CRG-716C	Standard	1,400
■	02-21-54214	CRG-116Y / CRG-716Y	Standard	1,400
■	02-21-54314	CRG-116M / CRG-716M	Standard	1,400

Canon imageCLASS MF8170

Canon imageCLASS MF8170, MF8180, LBP-2410; HP Color LaserJet 1500, 2500, 2550, 2820, 2840 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-21-25014	7433A005AA / EP-87	Standard	5,000
■	02-21-25114	7432A005AA / EP-87	Standard	4,000
■	02-21-25214	7430A005AA / EP-87	Standard	4,000
■	02-21-25314	7431A005AA / EP-87	Standard	4,000

Canon imageCLASS MF8450

Canon imageCLASS MF8450; HP Color LaserJet 3600 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
■	02-21-70014	CRG-117K / CRG-717K	Standard	6,000
■	02-21-70114	CRG-117C / CRG-717C	Standard	4,000
■	02-21-70214	CRG-117Y / CRG-717Y	Standard	4,000
■	02-21-70314	CRG-117M / CRG-717M	Standard	4,000

Canon imageCLASS MF9130

Canon imageCLASS MF9130, MF9150, MF9170, MF9220, MF9280, LBP-5300, LPB-5360; HP Color LaserJet 3800, CP3505 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
■	02-21-70014	CRG-111K / CRG-711K	Standard	6,000
■	02-21-80114	CRG-111C / CRG-711C	Standard	6,000
■	02-21-80214	CRG-111Y / CRG-711Y	Standard	6,000
■	02-21-80314	CRG-111M / CRG-711M	Standard	6,000

Canon ImageRUNNER LBP-5460

Canon imageRUNNER LBP-5460, LBP-7750, MF7750; HP Color LaserJet CP3525, CM3530 MFP and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
■	02-21-35014	CRG-723K	Standard	5,000
■	02-21-35016	CRG-723H	High	10,500
■	02-21-35114	CRG-723C	Standard	7,000
■	02-21-35214	CRG-723Y	Standard	7,000
■	02-21-35314	CRG-723M	Standard	7,000

Canon C LBP-400

Canon C LBP-400, 460, LBP-2040, 2050; HP Color LaserJet 4500, 4550 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
■	02-21-4514	1510A002AA / EP-83	Standard	9,000
■	02-21-4614	1509A002AA / EP-83	Standard	6,000
■	02-21-4814	1507A002AA / EP-83	Standard	6,000
■	02-21-4714	1508A002AA / EP-83	Standard	6,000
	58-21-4514	1506A002AA	Drum Unit	25,000

Canon LBP-5000

Canon LBP-5000, 5100; HP Color LaserJet 1600, 2600, 2605, CM1015, CM1017 MFP and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
■	02-21-26014	9424A004 / CRG-707BK	Standard	2,500
■	02-21-26114	9423A004 / CRG-707C	Standard	2,000
■	02-21-26214	9421A004 / CRG-707Y	Standard	2,000
■	02-21-26314	9422A004 / CRG-70M7	Standard	2,000

Canon i-SENSYS LBP-7010

Canon i-SENSYS LBP-7010, i-SENSYS LBP-7018; HP LaserJet Pro CP1025, M175 MFP, M275 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-21-31014	CRG-729BK	Standard	1,200
■	02-21-31114	CRG-729C	Standard	1,000
■	02-21-31214	CRG-729Y	Standard	1,000
■	02-21-31314	CRG-729M	Standard	1,000

Canon i-SENSYS LBP-7200

Canon i-SENSYS LBP-7200, LBP-7660, LBP-7680, MF8330, MF8340, MF8350, MF8360, MF8380, imageCLASS LBP-7200, LBP-7660, LBP-7680; HP Color LaserJet CP2025, CM2320 MFP and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
■	02-21-53014	CRG-118K / CRG-718K	Standard	3,500
■	02-21-53114	CRG-118C / CRG-718C	Standard	2,800
■	02-21-53214	CRG-118Y / CRG-718Y	Standard	2,800
■	02-21-53314	CRG-118M / CRG-718M	Standard	2,800

* Sample Label. Actual label may vary.

IBM

Replacement Cartridges

IBM InfoPrint 1120

IBM InfoPrint 1120, 1125; Lexmark T520, T522, X520, X522 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-24-2516	28P2492 / 28P2494	High	20,000
	02-24-25164	28P2492 / 28P2494	High Label	20,000

IBM InfoPrint 1130

IBM InfoPrint 1130, 1140; Lexmark T620, T622 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-24-3016	28P2008 / 28P2010	High	30,000
	02-24-30164	12A6869	High Label	30,000
	02-24-3017	28P2008 / 28P2010	High MICR	15,000

ISO 19752 YIELD VERIFIED

Page Yield Verified

The ISO 19752 standard measures multiple factors in regards to page yield. It is a standard created and adopted by many major equipment manufacturers. MSE has incorporated this analysis into our quality testing methodologies to ensure your clients receive the expected yield.

IBM Infoprint 1145

IBM Infoprint 1145 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-24-4514	28P1882	Standard	30,000
	02-24-4515	28P1882	Standard MICR	30,000

IBM InfoPrint 1222

IBM InfoPrint 1222; Lexmark T420; Dell S2500 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-25-4216	53P7706 / 53P7707	High	10,000

IBM InfoPrint 1312

IBM InfoPrint 1312; Lexmark E220, E321, E323; Dell P1500 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-25-2316	75P4685 / 75P4686	High	6,000

The MSE Brand

Featuring your best option for OEM conversion. See page 23 for more details on the benefits of becoming an MSE Partner.

IBM InfoPrint 1332

IBM InfoPrint 1332, 1352, 1372; Lexmark T630, T632, T634, X630 MFP, X632 MFP, X634 MFP; Dell M5200, W5300 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-24-1316	75P4302 / 75P4303	High	21,000
	02-24-13162	75P4304 / 75P4305	Extra High	32,000
	02-24-13164	75P4302 / 75P4303	High Label	21,000
	02-24-131624	75P4304 / 75P4305	Extra High Label	32,000
	02-24-1317	75P4302 / 75P4303	High MICR	15,000

IBM InfoPrint 1410 MFP

IBM InfoPrint 1410 MFP; Lexmark X422 MFP and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-24-42216	75P5521 / 75P5522	High	12,000

IBM InfoPrint 1412

IBM InfoPrint 1412, 1512; Lexmark E230, E232, E240, E330, E332, E340, E342, X340, X342; Dell 1700, 1710 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-25-3316	75P5710 / 75P5711	High	6,000

IBM InfoPrint 1422

IBM InfoPrint 1422; Lexmark T430 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-25-4316	75P6051 / 75P6052	High	12,000

IBM InfoPrint 1532

IBM InfoPrint 1532, 1552, 1570 MFP, 1572, 1572 MFP, 1650 MFP; Lexmark T640, T642, T644, X642 MFP, X644 MFP, X646 MFP; Dell 5210, 5310 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
	02-24-1516	75P6960 / 75P6961	High	21,000
	02-24-15162	75P6962 / 75P6963	Extra High	32,000
	02-24-15164	75P6960 / 75P6961	High Label	21,000
	02-24-151624	75P6962 / 75P6963	Extra High Label	32,000
	02-24-1517	75P6960 / 75P6961	High MICR	15,000

IBM InfoPrint 1601

IBM InfoPrint 1601, 1602, 1612, 1622; Lexmark E250, E350, E352, E450; Dell 1720 and all compatible engines.

6	MSE Part No.	OEM No.	Type	Yield
	02-24-3514	39V1640	Standard	6,000
	02-24-3516	39V1641 / 39V1642	High	9,000
	02-24-35162	39V1643 / 39V1644	Extra High	11,000

Returns Made Easy with MSE Packaging

1.
Return expended cartridge into the same bag your new cartridge came in.
2.
Use the same box that your cartridge shipped in.
3.
Reseal box. (No tape needed!)
4.
Contact your sales representative to set up a free return program.
Some restrictions apply.

MSE's User-Friendly Boxes Make Shipping to Reclamation Centers Easy!

IBM

Replacement Cartridges

MSE's Technology and Automation Center

MSE has invested heavily in state-of-the-art equipment and software to

- Greatly improve the efficiencies of incoming component inspection
- Assist in the designing of tooling and fixtures
- Designing improvements to OEM systems, such as MPS Engineered® products and SCS

99.2% success rate*

* Based on MSE internal data

IBM InfoPrint 1832

IBM InfoPrint 1832, 1852, 1872, 1892 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-25-1816	39V2513 / 39V2514	High	25,000

IBM InfoPrint 1852

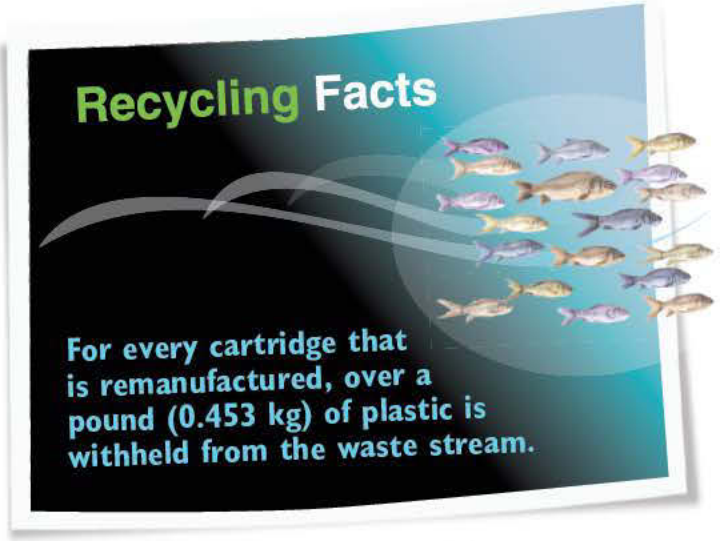
IBM InfoPrint 1852, 1872, 1892 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-25-1816	39V2513 / 39V2514	High	25,000
	02-25-18162	39V2515	Extra High	36,000

IBM Network Printer 24

IBM Network Printer 24, 4324; HP LaserJet 5Si, 8000; Canon LBP-2460; Lexmark Optra N 240, 245 and all compatible WX engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-21-0914	75P5903	Standard	15,000
	02-21-0916	75P5903	Extended MPS	25,000
	02-21-0915	75P5903	Standard MICR	15,000


Recycling Facts
For every cartridge that is remanufactured, over a pound (0.453 kg) of plastic is withheld from the waste stream.

SOURCE: U.S. Dept. of Energy Office of Industrial Technologies.

Okidata Laser Cartridges

Okidata B6300

Okidata B6300 and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-73-6314	52114502	High	17,000

Source Technologies Cartridges

Source Technologies ST 9130

Source Technologies ST 9130, ST 9140 and all compatible engines.

2	MSE Part No.	OEM No.	Type	Yield
	02-71-6217	STI-204070	High MICR	15,000

Source Technologies ST 9335

Source Technologies ST 9335, ST 9340 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-71-6117	STI-204061	High MICR	15,000

Source Technologies ST 9530

Source Technologies ST 9530, ST 9550; IBM InfoPrint 1532, 1572; Standard Register PL 5850M and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
	02-71-5017	STI-204063H	Standard MICR	15,000

MSE Certified MICR

MSE MICR cartridges meet and/or exceed American Standards Institute (ANSI)

MSE MICR

"Magnetic Imaging Character Recognition" is ideal for barcode and check printing applications.

- **Reliability**
  Each cartridge is tested for signal strength on actual check stock.
- **Huge Profit Opportunity**
  MICR profit margins can exceed 70%!

Xerox

Replacement Cartridges

Xerox Phaser 3130

Xerox Phaser 3130; Samsung ML-1510, 1710, 1740, 1750, SCX-4016, 4116, 4216, SF-560, 565, 750, 755; Lexmark X215 MFP and all compatible engines.

1	MSE Part No.	OEM No.	Type	Yield
	02-23-1714	109R00725	Standard	3,000

Xerox Phaser 3600

Xerox Phaser 3600 and all compatible engines

2	MSE Part No.	OEM No.	Type	Yield
	02-57-3616	106R01371	High	14,000

Xerox Phaser 4500

Xerox Phaser 4500 and all compatible engines.

3	MSE Part No.	OEM No.	Type	Yield
	02-57-5716	113R00657	High	18,000
	02-57-5715	113R00657	High MICR	18,000

Xerox Color Laser

Xerox Phaser 6180

Xerox Phaser 6180 and all compatible engines.

4	MSE Part No.	OEM No.	Type	Yield
■	02-57-61016	113R00726	High	8,000
■	02-57-61116	113R00723	High	6,000
■	02-57-61216	113R00725	High	6,000
■	02-57-61316	113R00724	High	6,000

Xerox Phaser 6280

Xerox Phaser 6280 and all compatible engines.

5	MSE Part No.	OEM No.	Type	Yield
■	02-57-62016	106R01395	High	7,000
■	02-57-62116	106R01392	High	5,900
■	02-57-62216	106R01394	High	5,900
■	02-57-62316	106R01393	High	5,900

- MSE is the largest global remanufacturer with all its production facilities based in the U.S.A.
- 1100+ employees
- 225,000 square foot manufacturing facility
- Intelligent re-use of durable goods
- US quality & innovation (38 patented & patent-pending technologies)
- Automation + Innovation = Quality & Value

Figures accurate on date of publication. Figures may change over time.

Index

Replacement Cartridges

Printer Models	OEM Number	MSE PN	Page
Brother			
Brother HL-1030, 1230, 1240, 1250, 1270, 1430, 1435, 1440, 1450, 1470, DCP-1200, 1400, IntelliFax 4100, 4750, 5750, MFC-8300, 8500, 8600, 8700, 9600, 9650, 9660, 9700, 9750, 9760, 9800, 9850, 9860, 9870, 9880, P2500	TN-460 / TN-6600 DR-400 / DR-6000	02-03-4616 58-03-4014	42 42
Brother HL-1260, 1660, 2060, 960	N/A TN-9000 TN-9000	02-21-9814 02-21-9816 02-21-9815	42 42 42
Brother HL-2030, 2040, 2070, DCP-7010, 7020, 7025, IntelliFax-2820, 2910, 2920, MFC-7220, 7225, 7420, 7820	TN-350 / TN-2000 DR-350 / DR-2000	02-03-3514 58-03-3514	42 42
Brother HL-2140, 2150, 2170, DCP-7030, 7040, 7045, MFC-7320, 7340, 7345, 7440, 7840	TN-330 / TN-2110 TN-360 / TN-2120 DR-360 / DR-2100	02-03-3314 02-03-3616 58-03-3614	42 42 42
Brother HL-2220, 2230, 2240, 2250, 2270, 2280, MFC-7360, 7460, 7860	TN-450 / TN-2220 DR-420 / DR-2200	02-03-4516 58-03-4214	42 42
Brother HL-2460	N/A TN-9500 TN-9500	02-21-2714 02-21-2716 02-21-27162	42 42 42
Brother HL-4040, 4070, DCP-9040, 9045, MFC-9440, 9450, 9840	TN-115BK / TN-135BK TN-115C / TN-135C TN-115Y / TN-135Y TN-115M / TN-135M	02-03-40016 02-03-40116 02-03-40216 02-03-40316	43 43 43 43
Brother HL-4150, 4570, MFC-9460, 9560, 9970	TN-315BK / TN-325BK TN-315C / TN-325C TN-315Y / TN-325Y TN-315M / TN-325M	02-03-41016 02-03-41116 02-03-41216 02-03-41316	43 43 43 43
Brother HL-5130, 5140, 5150, 5170, DCP-8040, 8045, MFC-8220, 8440, 8640, 8840	TN-540 / TN-3030 TN-570 / TN-3060 DR-510 / DR-3000	02-03-5414 02-03-5716 58-03-51014	43 43 43
Brother HL-5240, 5250, 5270, 5280, DCP-8060, 8065, MFC-8460, 8470, 8660, 8670, 8860, 8870	TN-550 / TN-3130 TN-580 / TN-3170 DR-520 / DR-3100	02-03-5514 02-03-5816 58-03-52014	43 43 43
Brother HL-5340, 5350, 5370, 5380, DCP-8080, 8085, MFC-8480, 8680, 8880, 8890	TN-620 / TN-3230 TN-650 / TN-3280 DR-620 / DR-3200	02-03-6214 02-03-6516 58-03-6216	43 43 43
Canon			
Canon C LBP-400, 460, LBP-2040, 2050	1510A002AA / EP-83 1509A002AA / EP-83 1507A002AA / EP-83 1508A002AA / EP-83 1506A002AA	02-21-4514 02-21-4614 02-21-4814 02-21-4714 58-21-4514	51 51 51 51 51
Canon FAX L1000, LaserCLASS 3170, 3175	1559A002AA / FX-6	04-06-0614	46
Canon FAX L120, L140, FAXPHONE L120, L90 i-SENSYS 4120, 4140, 4150, MF4010, 4100, 4110, 4120, 4140, 4150, 4270, 4320, 4330, 4340, 4350, 4370, 4380, 4660, 4690 imageCLASS D420, 480, MF4150, 4270, 4350, 4370,4380, 4690	0263B001A / FX-10 / CRG-104	06-06-1014	46
Canon FAX L200, L220, L240, L250, L260, L280, L290, L295, L300, L350, L360, FAXPHONE L75, L80, imageCLASS 1100, LaserCLASS 1060, 2050, 2060, L300, L4000	1557A002BA / FX-3	04-06-0314	46
Canon FAX L2000, LaserCLASS 710, 720, 730	7621A001AA / FX-7	04-06-0714	46
Canon FAX L380, L390, L400, FAXPHONE L170, imageCLASS D320, D340, D360, LaserCLASS 310, 510, PC-D320, D340	8955A001AA / FX-8 / S35	04-06-0814	47
Canon FAX L800, L900, LaserCLASS 8500, 9000, 9500	1558A002AA / FX-4	04-06-0414	47
Canon imageCLASS 2200, 2210, 2220, 2250, LBP-1610, 1620, 1810, 1820, 840, 850, 870, 880, 910	3711A001AA / EP-62 3711A001AA / EP-62	02-21-2914 02-21-2915	47 47
Canon imageCLASS 4000, ImageRUNNER 3250, LBP-1910, 3260, 950	3845A002AA / EP-72 3845A002AA / EP-72	02-21-8214 02-21-8215	47 47
Canon imageCLASS C2500, LBP-2510, 5500	6825A004AA / EP-85 6824A004AA / EP-85 6822A004AA / EP-85 6823A004AA / EP-85	02-21-2014 02-21-2114 02-21-2314 02-21-2214	50 50 50 50
Canon imageCLASS C3500, LBP-2710, 2810, 5700, 5800	6830A004AA / EP-86 6829A004AA / EP-86 6827A004AA / EP-86 6828A004AA / EP-86	02-21-3014 02-21-3114 02-21-3214 02-21-3314	50 50 50 50
Canon imageCLASS D1120, D1150, D1170, D1180, i-SENSYS MF6680	2617B001AA / CRG-120 / CRG-720 2617B001AA / CRG-120 / CRG-720	02-06-2014 02-06-20162	47 47
Canon imageCLASS D660, D680, D760, D780, D860, D880, PC-1060, 1061, 1080	6812A001AA / L50	06-06-5014	49
Canon imageCLASS LBP-5050, MF8030, MF8050, MF8080	CRG-116K / CRG-716K CRG-116C / CRG-716C CRG-116Y / CRG-716Y CRG-116M / CRG-716M	02-21-54014 02-21-54114 02-21-54214 02-21-54314	50 50 50 50
Canon imageCLASS MF3110, MF3111, MF3240, MF5530, MF5550, MF5730, MF5750, MF5770	8489A001AA / X25	06-06-2514	47
Canon imageCLASS MF6530, MF6531, MF6540, MF6550, MF6560, MF6580, MF6590, MF6595 MFP	0264B001AA / 106	02-06-6414	49
Canon imageCLASS MF8170, MF8180, LBP-2410	7433A005AA / EP-87 7432A005AA / EP-87 7430A005AA / EP-87 7431A005AA / EP-87	02-21-25014 02-21-25114 02-21-25214 02-21-25314	50 50 50 50
Canon imageCLASS MF8450	CRG-117K / CRG-717K CRG-117C / CRG-717C CRG-117Y / CRG-717Y CRG-117M / CRG-717M	02-21-70014 02-21-70114 02-21-70214 02-21-70314	50 50 50 50
Canon imageCLASS MF9130, MF9150, MF9170, MF9220, MF9280, LBP-5300, 5360	CRG-111K / CRG-711K CRG-111C / CRG-711C CRG-111Y / CRG-711Y CRG-111M / CRG-711M	02-21-70014 02-21-80114 02-21-80214 02-21-80314	50 50 50 50
Canon imageRUNNER LBP-5460, 7750, MF7750	CRG-723K CRG-723H CRG-723C CRG-723Y CRG-723M	02-21-35014 02-21-35014 02-21-35016 02-21-35214 02-21-35114	51 51 51 51 51
Canon i-SENSYS LBP-3250	CRG-713 CRG-713	02-21-43614 02-21-436142	49 49
Canon i-SENSYS LBP-6020, MF3010, imageCLASS LBP-6000, MF3010	CRG-125 / CRG-725	02-21-2814	49
Canon i-SENSYS LBP-7010, 7018	CRG-729BK CRG-729C CRG-729Y CRG-729M	02-21-31014 02-21-31114 02-21-31214 02-21-31314	51 51 51 51
Canon i-SENSYS LBP-7200, 7660, 7680, MF8330, MF8340, MF8350, MF8360, MF8380, imageCLASS LBP-7200, 7660, 7680	CRG-118K / CRG-718K CRG-118C / CRG-718C CRG-118Y / CRG-718Y CRG-118M / CRG-718M	02-21-53014 02-21-53114 02-21-53214 02-21-53314	51 51 51 51
Canon LBP-1000, 1310, 470	EP-32 EP-32 EP-32	02-21-9614 02-21-9616 02-21-9615	47 47 47
Canon LBP-1110, 1120, 250, 350, 800, 810	EP-22 EP-22	02-21-9214 02-21-9215	47 47
Canon LBP-1260, 8 IV, 860	1538A002AA / EP-E 1538A002AA / EP-E 1538A002AA / EP-E	02-21-9814 02-21-9816 02-21-9815	48 48 48
Canon LBP-1760	3839A002AA / EP-52 3839A002AA / EP-52 3839A002AA / EP-52 3839A002AA / EP-52 3839A002AA / EP-52	02-21-2714 02-21-2716 02-21-27162 02-21-2715 02-21-2717	48 48 48 48 48
Canon LBP-2460	R74-6003-100 / EP-W R74-6003-100 / EP-W R74-6003-100 / EP-W	02-21-0914 02-21-0916 02-21-0915	48 48 48

Index

Replacement Cartridges

Printer Models	OEM Number	MSE PN	Page
Canon LBP-3010, 3100	CRG-712 CRG-712	02-21-43514 02-21-435142	48 48
Canon LBP-320, 460, 465, 660	1548A002AA	02-21-0614	48
Canon LBP-3300, 3360	CRG-708 CRG-708H CRG-708H CRG-708 CRG-708H	02-21-1114 02-21-1116 02-21-11162 02-21-1115 02-21-1117	48 48 48 48 48
Canon LBP-3310, 3370	CRG-715 CRG-715H CRG-715H CRG-715	02-21-5314 02-21-5316 02-21-53162 02-21-5315	48 48 48 48
Canon LBP-3460	CRG-110II / CRG-710H CRG-110II / CRG-710H	02-21-2616 02-21-2617	48 48
Canon LBP-5000, 5100	9424A004 / CRG-707BK 9423A004 / CRG-707C 9421A004 / CRG-707Y 9422A004 / CRG-707M	02-21-26014 02-21-26114 02-21-26214 02-21-26314	51 51 51 51
Canon LBP-6200	CRG-726	02-21-7814	49
Canon LBP-6300, 6310, 6650, 6670, MF5850, MF5880, MF5940, MF5950, MF5960, MF5980, MF6160, MF6180	CRG-119 / CRG-719 CRG-119 / CRG-719 CRG-119II / CRG-719H CRG-119II / CRG-719H CRG-119 / CRG-719 CRG-119II / CRG-719H	02-21-0514 02-21-05142 02-21-0516 02-21-05162 02-21-0515 02-21-0517	49 49 49 49 49 49
Canon LBP-6750, 6780	CRG-724 CRG-724H CRG-724 CRG-724H	02-21-5514 02-21-5516 02-21-5515 02-21-5517	49 49 49 49
Canon PC-140, 150, 160, 170, 300, 310, 320, 325, 330, 330L, 400, 420, 425, 428, 430, 530, 550, 3230, 710, 720, 730, 735, 740, 745, 760, 770, 775, 785, 790, 795, 860, 880, 890, 920, 940, 950, 980	1491A002AA / E31 / E40	06-06-3116	49

Dell

Printer Models	OEM Number	MSE PN	Page
Dell 1100, 1110	310-6640 / 310-7660 310-6640 / 310-7660	02-70-1114 02-23-2014	44 44
Dell 1700, 1710	310-5402 / 310-5400 310-7025 / 310-7022	02-25-3316	44
Dell 1720	310-8702 / 310-8700 310-8709 / 310-8707 N/A N/A	02-24-3514 02-24-3516 02-24-35162	44 44 44
Dell 1815	310-7945	02-70-1816	44
Dell 2230	330-4130 / 330-4131 593-10500 / 593-10501	02-70-2214 02-70-2214E	44 44
Dell 2330, 2350	330-2666 / 330-2667 593-10334 / 593-10335	02-70-2316 02-70-2316E	44 44
Dell 2335	330-2209	02-70-0916	44
Dell 2355	331-0611	02-70-0616	44
Dell 3110, 3115 MFP	310-8092 / 310-8395 310-8094 / 310-8397 310-8098 / 310-8399 310-8096 / 310-8401	02-70-31016 02-70-31116 02-70-31216 02-70-31316	45 45 45 45
Dell 3130	330-1198 330-1199 330-1200 330-1204	02-70-10016 02-70-10116 02-70-10216 02-70-10316	45 45 45 45
Dell 3330	330-5209 / 330-5210 593-10840 / 593-10841 330-5206 / 330-5270 593-10838 / 593-10839	02-70-3014 02-70-3014E 02-70-3016 02-70-3016E	45 45 45 45
Dell 3333 MFP	330-8573 / 330-8986 330-8985 / 330-8987	02-70-3514 02-70-3516	45 45
Dell 5210, 5310	341-2916 / 341-2919 341-2938 / 341-7237 341-2939 / 310-7238 341-2916 / 341-2919 341-2938 / 341-7237 341-2939 / 310-7238 341-2916 / 341-2919 341-2938 / 341-7237	02-24-1516 02-24-15162 02-24-15164 02-24-151624 02-24-1517	45 45 45 45 45
Dell 5230, 5350	330-6968 / 330-6991 330-9511 / 330-9619	02-70-5316 02-70-53162	45 45
Dell 5330	330-2045	02-70-2016	45
Dell 5530, 5535 MFP	330-9787 / 330-9788 330-9791 / 330-9792	02-70-5516 02-70-55162	45 45
Dell M5200, W5300	310-4133 / 310-4131 310-4572 / 310-4549 310-4587 / 310-4585 310-4133 / 310-4131 310-4572 / 310-4549 310-4587 / 310-4585 310-4133 / 310-4131 310-4572 / 310-4549	02-24-13162 02-24-13162 02-24-131624 02-24-13164 02-24-1317	45 45 45 45 45
Dell P1500	310-3543 / 310-3545	02-25-2316	44
Dell S2500	310-3674 / 310-3547	02-25-4216	44

HP

Printer Models	OEM Number	MSE PN	Page
HP Color LaserJet 1500, 2500, 2550, 2820, 2840	C9700A / Q3960A C9701A / Q3961A C9702A / Q3962A C9703A / Q3963A	02-21-25014 02-21-25114 02-21-25214 02-21-25314	33 33 33 33
HP Color LaserJet 1600, 2600, 2605, CM1015, CM1017 MFP	Q6000A Q6001A Q6002A Q6003A	02-21-26014 02-21-26114 02-21-26214 02-21-26314	33 33 33 33
HP Color LaserJet 3000, 2700	Q7560A Q7561A Q7562A Q7563A	02-21-60014 02-21-60114 02-21-60214 02-21-60314	33 33 33 33
HP Color LaserJet 3500, 3550	Q2670A Q2671A Q2672A Q2673A	02-21-7014 02-21-7114 02-21-7214 02-21-7314	33 33 33 33
HP Color LaserJet 3600	Q6470A Q6471A Q6472A Q6473A	02-21-70014 02-21-70114 02-21-70214 02-21-70314	33 33 33 33
HP Color LaserJet 3700	Q2670A Q2681A Q2682A Q2683A	02-21-7014 02-21-37114 02-21-37214 02-21-37314	33 33 33 33

Index

Replacement Cartridges

Printer Models	OEM Number	MSE PN	Page
HP Color LaserJet 3800, CP3505	Q6470A	02-21-70014	33
	Q7581A	02-21-80114	33
	Q7582A	02-21-80214	33
	Q7583A	02-21-80314	33
HP Color LaserJet 4500, 4550	C4191A	02-21-4514	33
	C4192A	02-21-4614	33
	C4194A	02-21-4814	33
	C4193A	02-21-4714	33
	C4195A	58-21-4514	33
HP Color LaserJet 4600, 4610, 4650	C9720A	02-21-2014	34
	C9721A	02-21-2114	34
	C9722A	02-21-2214	34
	C9723A	02-21-2314	34
	Q3675A	07-21-4602	34
HP Color LaserJet 4700	Q5950A	02-21-50014	34
	Q5951A	02-21-50114	34
	Q5952A	02-21-50214	34
	Q5953A	02-21-50314	34
	Q7504A	07-21-4702	34
HP Color LaserJet 4730, CM4730 MFP	Q6460A	02-21-47014	34
	Q6461A	02-21-47114	34
	Q6462A	02-21-47214	34
	Q6463A	02-21-47314	34
	Q7504A	07-21-4702	34
HP Color LaserJet 5500, 5550	C9730A	02-21-3014	34
	C9731A	02-21-3114	34
	C9732A	02-21-3214	34
	C9733A	02-21-3314	34
HP Color LaserJet CM4540 MFP	CE260A	02-21-450014	34
	CE264X	02-21-540114	34
	CF031A	02-21-540016	34
	CF032A	02-21-540214	34
	CF033A	02-21-540314	34
HP Color LaserJet CM6030 MFP, CM6040	CB381A	02-21-81114	36
	CB382A	02-21-81214	36
	CB383A	02-21-81314	36
HP Color LaserJet CP1215, CP1515, CP1518, CM1312 MFP	CB540A	02-21-5401	35
	CB541A	02-21-54114	35
	CB542A	02-21-54214	35
	CB543A	02-21-54314	35
HP Color LaserJet CP2025, CM2320 MFP	CC530A	02-21-53014	35
	CC531A	02-21-53114	35
	CC532A	02-21-53214	35
	CC533A	02-21-53314	35
HP Color LaserJet CP3525, CM3530 MFP	CE250A	02-21-35014	36
	CE250X	02-21-35016	36
	CE251A	02-21-35114	36
	CE252A	02-21-35214	36
	CE253A	02-21-35314	36
HP Color LaserJet CP4005	CB400A	02-21-40014	36
	CB401A	02-21-40114	36
	CB402A	02-21-40214	36
	CB403A	02-21-40314	36
	Q7504A	07-21-4702	36
HP Color LaserJet CP4025, CP4525	CE260A	02-21-450014	36
	CE261A	02-21-450114	36
	CE262A	02-21-450214	36
	CE263A	02-21-450314	36
HP Color LaserJet CP4525	CE260A	02-21-450014	36
	CE260X	02-21-450016	36
	CE261A	02-21-450114	36
	CE262A	02-21-450214	36
	CE263A36	02-21-450314	36
HP Color LaserJet CP6015	CB380A	02-21-81014	36
	CB381A	02-21-81114	36
	CB382A	02-21-81214	36
	CB383A	02-21-81314	36
HP Color LaserJet Enterprise CP5525, M750	CE270A	02-21-55014	37
	CE271A	02-21-55114	37
	CE272A	02-21-55214	37
	CE273A	02-21-55314	37
HP Color LaserJet Enterprise M551, M575 MFP, flow M575 MFP, Pro M570 MFP	CE400A	02-21-51014	36
	CE400X	02-21-51016	36
	CE401A	02-21-51114	36
	CE402A	02-21-51214	36
	CE403A	02-21-51314	36
P Color LaserJet Enterprise M775 MFP	CE340A	02-21-34014	37
	CE341A	02-21-34114	37
	CE342A	02-21-34214	37
	CE343A	02-21-34314	37
HP Color LaserJet Pro CP1025, M175 MFP, M275 MFP	CE310A	02-21-31014	35
	CE311A	02-21-31114	35
	CE312A	02-21-31214	35
	CE313A	02-21-31314	35
HP Color LaserJet Pro CP1525, CM1415 MFP	CE320A	02-21-20014	35
	CE321A	02-21-20114	35
	CE322A	02-21-20214	35
	CE323A	02-21-20314	35
HP Color LaserJet Pro M251, M276 MFP	CF210A	02-21-21014	37
	CF210X	02-21-21016	37
	CF211A	02-21-21114	37
	CF212A	02-21-21214	37
	CF213A	02-21-21314	37
HP Color LaserJet Pro M351, M375 MFP, M451, M475 MFP	CE410A	02-21-41014	37
	CE410X	02-21-41016	37
	CE411A	02-51-41114	37
	CE412A	02-51-41214	37
	CE413A	02-51-41314	37
HP Color LaserJet Professional CP5225	CE740A	02-21-52014	37
	CE741A	02-21-52114	37
	CE742A	02-21-52214	37
	CE743A	02-21-52314	37
HP LaserJet 1000, 1005, 1200, 1220, 3300, 3310, 3320, 3380, 3380 MFP	C7115X	02-21-1516	26
	C7115X	02-21-15162	26
	C7115A	02-21-1515	26
HP LaserJet 1010, 1012, 1015, 1018, 1020, 1022, 3015, 3020, 3030, 3050, 3052, 3055, M1005, M1319	Q2612A	02-21-1214	26
	Q2612A	02-21-121	26
	Q2612A	02-21-1215	26
HP LaserJet 1100, 3200	C4092A	02-21-9214	26
	C4092A	02-21-9215	26
HP LaserJet 1150	Q2624X	02-21-2416	26
	Q2624X	02-21-24162	26
	Q2624A	02-21-2415	26
HP LaserJet 1160, 1320, 3390, 3392	Q5949A	02-21-1114	26
	Q5949A	02-21-1115	26
HP LaserJet 1300	Q2613A	02-21-1314	26
	Q2613X	02-21-1316	26
	Q2613X	02-21-1316	26
	Q2613A	02-21-1315	26
HP LaserJet 1320, 3390, 3392	Q5949A	02-21-1114	26
	Q5949X	02-21-1116	26
	Q5949X	02-21-1116	26
	Q5949A	02-21-1115	26
	Q5949X	02-21-1117	26
HP LaserJet 2100, 2200	C4096A	02-21-9614	26
	C4096A	02-21-9616	26
	C4096A	02-21-9615	26
HP LaserJet 2300	Q2610A	02-21-1014	27
	Q2610A	02-21-1016	27
	Q2610A	02-21-1015	27
HP LaserJet 2410, 2420, 2430	Q6511A	02-21-2614	27
	Q6511X	02-21-2616	27
	Q6511A	02-21-2615	27
	Q6511X	02-21-2617	27
HP LaserJet 4, 4M, 4+, 4M+, 5, 5N, 5M	92298A	02-21-9814	27
	92298X	02-21-9816	27
	92298A	02-21-9815	27
HP LaserJet 4000, 4050	C4127A	02-21-2714	27
	C4127X	02-21-2716	27
	C4127X	02-21-27162	27
	C4127A	02-21-2715	27

Index

Replacement Cartridges

Printer Models	OEM Number	MSE PN	Page
HP LaserJet 4100	C4127X C8061X C8061X C8061X	02-21-2717 02-21-61163 02-21-61162 02-21-6117	27 28 28 28
HP LaserJet 4200	Q1338A Q1338A Q1338A Q1338A Q1338A	02-21-3814 02-21-3815 02-21-3816 02-21-38162 02-21-42160	28 28 28 28 28
HP LaserJet 4240, 4250, 4350	Q5942A Q5942A Q5942X Q5942X Q5942X Q5942X Q5942X	02-21-4214 02-21-4216 02-21-4215 02-21-4217 02-21-42160 02-21-38162 02-21-39162	28 28 28 28 28 28 28
HP LaserJet 4300	Q1339A Q1339A Q1339A Q1339A Q1339A	02-21-3914 02-21-3915 02-21-38162 02-21-39162 02-21-42160	28 28 28 28 28
HP LaserJet 4345, M4345 MFP	Q5945A Q5945A Q5945A Q5945A	02-21-34514 02-21-38162 02-21-39162 02-21-42160	28 28 28 28
HP LaserJet 5000, 5100	C4129X C4129X	02-21-2914 02-21-2915	29 29
HP LaserJet 5200, M5025, M5035	Q7516A / Q7570A	02-21-1614	29
HP LaserJet 5L, 6L, 3100	C3906A	02-21-0614	28
HP LaserJet 5MP, 5P, 6MP, 6P, 6PSE, 6PXI	C3903A C3903A	02-21-0314 02-21-0315	29 29
HP LaserJet 5Si, 8000	C3909A C3909A C3909A	02-21-0914 02-21-0916 02-21-0915	29 29 29
HP LaserJet 8100, 8150, Mopier 320	C4182X C4182X	02-21-8214 02-21-8215	29 29
HP LaserJet 9000, 9040, 9050, M9040, M9050	C8543X C8543X C8543X	02-21-4314 02-21-43162 02-21-4315	29 29 29
HP LaserJet Enterprise M4555 MFP, M601, M602, M603	CE390A CE390A CE390A	02-21-9014 02-21-90142 02-21-9015	31 31 31
HP LaserJet Enterprise M4555 MFP, M602, M603	CE390A CE390A CE390X CE390X CE390A CE390X	02-21-9014 02-21-90142 02-21-4516 02-21-45166 02-21-9015 02-21-4517	31 31 31 31 31 31
HP LaserJet Enterprise M712, M725 MFP	CF214A CF214X	02-21-1414 02-21-1416	31 31
HP LaserJet Enterprise P3015, M521 MFP, M525 MFP	CE255A CE255X CE255A CE255X	02-21-5514 02-21-5516 02-21-5515 02-21-5517	31 31 31 31
HP LaserJet P1002, P1003, P1004, P1005, P1006	CB435A CB435A	02-21-43514 02-21-435142	30 30
HP LaserJet P1505, M1120 MFP, M1522 MFP	CB436A CB436A	02-21-43614 02-21-436142	30 30
HP LaserJet P2015, M2727 MFP	Q7553A Q7553X Q7553X Q7553A	02-21-5314 02-21-5316 02-21-53162 02-21-5315	30 30 30 30
HP LaserJet P2035, P2055	CE505A CE505A CE505A	02-21-0514 02-21-05142 02-21-0515	30 30 30
HP LaserJet P2055	CE505A CE505A CE505X CE505X CE505A CE505X	02-21-0514 02-21-05142 02-21-0516 02-21-05162 02-21-0515 02-21-0517	30 30 30 30 30 30
HP LaserJet P3005, M3027, M3035 MFP	Q7551A Q7551X Q7551X Q7551X	02-21-3514 02-21-3516 02-21-35162 02-21-3517	31 31 31 31
HP LaserJet P4014, P4015, P4515	CC364A CC364A CC364A	02-21-6414 02-21-64142 02-21-6415	31 31 31
HP LaserJet P4015, P4515	CC364A CC364A CC364X CC364X CC364A CC364X	02-21-6414 02-21-64142 02-21-6416 02-21-64162 02-21-641 02-21-6417	31 31 31 31 31 31
HP LaserJet Pro M125, M127 MFP	CF283A	02-21-8314	31
HP LaserJet Pro M401, M425 MFP	CF280A CF280X CF280X CF280X	02-21-8014 02-21-8016 02-21-80162 02-21-8017	31 31 31 31
HP LaserJet Pro P1102, M1132 MFP, M1134, M1136, M1137, M1138, M1139, M1212, M1213, M1214, M1216, M1217, M1219	CE285A	02-21-2814	30
HP LaserJet Pro P1606, M1536 MFP	CE278A	02-21-7814	30

IBM

IBM InfoPrint 1120, 1125	28P2492 / 28P2494 28P2492 / 28P2494	02-24-2516 02-24-25164	52 52
IBM InfoPrint 1130, 1140	28P2008 / 28P2010 12A6869 28P2008 / 28P2010	02-24-3016 02-24-30164 02-24-3017	52 52 52
IBM Infoprint 1145	28P1882 28P1882	02-24-4514 02-24-4515	52 52
IBM InfoPrint 1222	53P7706 / 53P7707	02-25-4216	52
IBM InfoPrint 1312	75P4685 / 75P4686	02-25-2316	52
IBM InfoPrint 1332, 1352, 1372	75P4302 / 75P4303 75P4304 / 75P4305 75P4302 / 75P4303 75P4304 / 75P4305 75P4302 / 75P4303	02-24-1316 02-24-13162 02-24-131624 02-24-13164 02-24-1317	53 53 53 53 53
IBM InfoPrint 1410 MFP	75P5521 / 75P5522	02-24-42216	53
IBM InfoPrint 1412, 1512	75P5710 / 75P5711	02-25-3316	53
IBM InfoPrint 1422	75P6051 / 75P6052	02-25-4316	53
IBM InfoPrint 1532, 1552, 1570 MFP, 1572, 1572 MFP, 1650 MFP	75P6960 / 75P6961 75P6962 / 75P6963 75P6960 / 75P6961 75P6962 / 75P6963 75P6960 / 75P6961	02-24-1516 02-24-15162 02-24-15164 02-24-151624 02-24-1517	53 53 53 53 53
IBM InfoPrint 1601, 1602, 1612, 1622	39V1640 39V1641 / 39V1642 39V1643 / 39V1644	02-24-3514 02-24-3516 02-24-35162	53 53 53
IBM InfoPrint 1832, 1852, 1872, 1892	39V2513 / 39V2514	02-25-1816	54
IBM InfoPrint 1852, 1872, 1892	39V2513 / 39V2514 39V2515	02-25-1816 02-25-18162	54 54
IBM Network Printer 24, 4324	75P5903 75P5903 75P5903	02-21-0914 02-21-0916 02-21-0915	54 54 54

Index

Replacement Cartridges

Printer Models	OEM Number	MSE PN	Page
Lexmark			
Lexmark E220, E321, E323	12A7305 / 12A7405	02-25-2316	38
Lexmark E230, E232, E240, E330, E332, E340, E342, X340, X342	34035HA / 34015HA 34036HE / 34016HE	02-25-3316	38
Lexmark E250, E350, E352, E450	E450A21A / E450A11A E450A21E / E450A11E	02-24-3514	38
	E352H21A / E352H11A E352H21E / E352H11E	02-24-3516	38
	E450H21A / E450H11A E450H21E / E450H11E	02-24-35162	38
Lexmark E260, E360, E460, E462	E260A11A / E260A21A E260A11E / E260A21E E260A11L / E260A21L	02-24-3614 02-24-3614E 02-24-3614L	38 38 38
Lexmark E360, E460, E462	E360A11A / E360H21A E360A11E / E360H21E E360A11L / E360H21L	02-24-3616 02-24-3616E 02-24-3616L	38 38 38
Lexmark E460	E460X11A / E460X21A E460X11E / E460X21E E460X11L / E460X21L	02-24-36162 02-24-36162E 02-24-36162L	38 38 38
Lexmark Optra N 240, 245	140109 140109A 140109A	02-21-0914 02-21-0916 02-21-0915	39 39 39
Lexmark Optra S 1250, 1255, 1620, 1625, 1650, 1855, 2450, 2455, 4059	1382620 / 1382920 1382929	02-24-5914 02-24-59164	39 39
Lexmark Optra Se 3455	12A0725 / 12A0825 12A0829	02-24-3416 02-24-34164	39 39
Lexmark Optra T 4069, T610, T612, T614, T616	12A5745 / 12A5845 12A5849	02-24-6916 02-24-69164	39 39
Lexmark T420	12A7315 / 12A7415	02-25-4216	39
Lexmark T430	12A8325 / 12A8425	02-25-4316	40
Lexmark T520, T522, X520, X522	12A6735 / 12A6835 12A6839	02-24-2516 02-24-25164	40 40
Lexmark T620, T622	12A6765 / 12A6865 12A6869 12A6765 / 12A6865	02-24-3016 02-24-30164 02-24-3017	40 40 40
Lexmark T630, T632, T634, X630 MFP, X632 MFP, X634 MFP	12A7362 / 12A7462 12A7365 / 12A7465 12A7469 12A7468 12A7362 / 12A7462	02-24-1316 02-24-13162 02-24-131624 02-24-13164 02-24-1317	40 40 40 40 40
Lexmark T640, T642, T644, X642 MFP, X644 MFP, X646 MFP	64035HA / 64015HA 64036HE /	02-24-1516 64016HE	39
	64435XA / 64415XA 64436XE / 64416XE	02-24-15162	39
	64004HA / 64004HE 64404XA / 64404XE	02-24-15164 02-24-151624	39 39
	64035HA / 64015HA 64036HE / 64016HE	02-24-1517	39
Lexmark T650, T652, T654, T656	T650H11A / T650H21A T650H04A T650H11E / T650H21E T650H04E T650H11L / T650H21L T650H04L	02-24-6516 02-24-65164 02-24-6516E 02-24-65164E 02-24-6516L 02-24-65164L	40 40 40 40 40 40
Lexmark T654, T656	T650H11A / T650H21A T650H04A T654X11A / T654X21A T654X04A T650H11E / T650H21E T650H04E T654X11E / T654X21E T654X04E T650H11L / T650H21 T650H04L T654X11L / T654X21L T654X04L	02-24-6516 02-24-65164 02-24-65162 02-24-651624 02-24-6516E 02-24-65164E 02-24-65162E 02-24-651624E 02-24-6516L 02-24-65164L 02-24-65162L 02-24-651624L	40 40 40 40 40 40 40 40 40 40 40 40
Lexmark X215 MFP	18S0090	02-23-1714	40
Lexmark X264, X363, X364 MFP	X264A11G / X264A21G X264H11G / X264H21G	02-24-2614 02-24-2616	40 40
Lexmark X422 MFP	12A3715 / 12A4715	02-24-42216	41
Lexmark X463, X464, X466 MFP	X463H11G / X463H21G X463X11G / X463X21G	02-24-4616 02-24-46162	41 41
Lexmark X651, X652, X654, X656, X658 MFP	X651H11A / X651H21A X651H04A X651H11E / X651H21E X651H04E X651H11L / X651H21L X651H04L	02-24-5116 02-24-51164 02-24-5116E 02-24-51164E 02-24-5116L 02-24-51164L	41 41 41 41 41 41
Lexmark X654, X656, X658 MFP	X651H11A / X651H21A X651H04A X654X11A / X654X21A X654X04A X651H11E / X651H21E X651H04E X654X11E / X654X21E X654X04E X651H11L / X651H21L X651H04L X654X11L / X654X21L X654X04L	02-24-5116 02-24-51164 02-24-51162 02-21-511624 02-24-5116E 02-24-51164E 02-24-51162E 02-21-511624E 02-24-5116L 02-24-51164L 02-24-51162L 02-21-511624L	41 41 41 41 41 41 41 41 41 41 41 41
Okidata			
Okidata B6300	52114502	02-73-6314	55
Samsung			
Samsung ML-1410, 1510, 1520, 1710, 1740, 1750, SCX-4016, 4116, 4216, SF-560, 565, 750, 755	ML-1710D3 / SCX-4216D3	02-23-1714	46
Samsung ML-1610, 2010, 2510, 2570, 2571, SCX-4321, 4521 MFP	ML-2010D3 / ML-1610D2/ SCX-4521D3	02-23-2014	46
Samsung ML-1630, SCX-4500	ML-D1630A	02-23-3014	46
Samsung ML-1910, 1915, 2525, 2540, 2545, 2580, SCX-4600, 4623, SF-650 MFP	MLT-D105L	02-23-1016	46
Samsung ML-4050, 4550, 4551	ML-D4550B	02-23-4016	46
Source Technologies			
Source Technologies ST 9130, ST 9140	STI-204070	02-71-6217	55
Source Technologies ST 9335, ST 9340	STI-204061	02-71-6117	55
Source Technologies ST 9530, ST 9550	STI-204063H	02-71-5017	55
Xerox			
Xerox Phaser 3130	109R00725	02-23-1714	56
Xerox Phaser 3600	106R01371	02-57-3616	56
Xerox Phaser 4500	113R00657 113R00657	02-57-5716 02-57-5716	56 56
Xerox Phaser 6180	113R00726 113R00723 113R00725 113R00724	02-57-61016 02-57-61116 02-57-61216 02-57-61316	56 56 56 56
Xerox Phaser 6280	106R01395 106R01392 106R01394 106R01393	02-57-62016 02-57-62116 02-57-62216 02-57-62316	56 56 56 56

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Landbouwweg 27
3899 BB Zeewolde
The Netherlands
Tel: +31.36.522.2601
Fax: +31.36.522.6875
info@mse-europe.com

Canada

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